

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list
THERMAL AND HYDRODYNAMIC ANALYSIS OF NANOFLOW IN A CIRCULAR PIPE USING EULER-GRANULAR MIXTURE MODEL	S. Sahu, P. Patro and H. Barik	Mechanical	Multiphase science and technology	2024	0276-1459	https://www.begellhouse.com/journals/multiphase-science-and-technology.html	https://www.dl.begellhouse.com/en/journals/5af8c23d50e0a883_forthcoming_52550.html	yes	
Parametric study and development of a correlation for Nusselt number in Nanofluid jet impingement	D. Sethy and P. Patro	Mechanical	Multiphase science and technology	2024	0276-1459	https://www.begellhouse.com/journals/multiphase-science-and-technology.html	https://www.dl.begellhouse.com/journals/5af8c23d50e0a883_75b543cd70ed2d73_2ee7e4824b3908b2.html	yes	
Heat Transfer Study of Water and Air Based Nanofluids with Al2O3 Nanoparticle in a Circular Pipe Using Multiphase Approach	S. Sahoo, H. Barik and P. Patro (corresponding author)	Mechanical	Particulate Science and Technology	2023	0272-6351	https://www.tandfonline.com/journals/upst20	https://www.tandfonline.com/doi/full/10.1080/02726351.2023.2256688	yes	
Single-phase modeling of nanofluid jet impingement heat transfer	D. Sethy and P. Patro	Mechanical	International Journal of Fluid Mechanics Research	2022	2152-5102	https://www.begellhouse.com/journals/fluid-mechanics-research.html	https://www.dl.begellhouse.com/journals/71cb29ca5b40f8f8_1c809fd354e5680a_03b208aa51600e81.html	yes	
Thermal performance analysis of a synthetic jet actuator with moving boundary condition	A. Khuntia, P. Patro and S. Ghosal	Mechanical	Journal of Enhanced Heat Transfer	2022	1065-5131	https://www.begellhouse.com/journals/enhanced-heat-transfer.html	https://www.dl.begellhouse.com/journals/4c8f5faa331b09ea_1115dda9068ab7cf_401a8ff60048dd89.html	yes	
Dilute phase pneumatic conveying in a horizontal pipe: Effect of restitution coefficient and specularly coefficient	P. Patro	Mechanical	International Journal of Fluid Mechanics Research	2021	2152-5102	https://www.begellhouse.com/journals/fluid-mechanics-research.html	https://www.dl.begellhouse.com/journals/71cb29ca5b40f8f8_2875fbb0b4b3db8_1b8d68181b750869.html	yes	
Evolution of designs for constructal cooling of a square plate using water, ionic liquid (ILs) and nano-enhanced ionic liquids (NEILs)	A. Barik, S. Rout and P. Patro	Mechanical	ASME Journal of Thermal Science and Engineering Applications,	2020	1948-5085	https://asmedigitalcollection.asme.org/thermalscienceapplication	https://www.dl.begellhouse.com/thermalscienceapplication/article-abstract/12/2/021020/1072373/Evolution-of-Designs-for-Constructal-Cooling-of-a?redirectedFrom=fulltext	yes	
Heat transfer enhancement from a heated plate with convex dimples by forced convection along with a cross flow jet impingement	P. Patro and S. Garnayak	Mechanical	International Journal of Applied Mechanics and Engineering	2020	1734-4492	https://www.ijame-poland.com/	https://ui.adsabs.harvard.edu/abs/2020IJAME...25a.127P/abstract	yes	
Numerical heat transfer prediction for laminar flow in a circular pipe with a 90-degree bend	P. Patro, A. Rout and A. Barik	Mechanical	Journal of the Institution of Engineers (India): Series C	2018	2250-0545	https://link.springer.com/journal/40032	https://ui.adsabs.harvard.edu/abs/2018JIEIC...99..323P/abstract	yes	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Thermochemical conversion of waste engine oil (WEO) to gasoline-rich crude oil	Nivedita Patel, Krushna Prasad Shadangi	Chemical	Journal of Material Cycles and Waste Management	2019		https://doi.org/10.1007/s10163-019-00948-9	https://link.springer.com/article/10.1007/s10163-019-00948-9	Yes
Effect of Catalyst Bed Height on the Yield and Composition of Non-edible Seed Pyrolytic Oil	Gourav Chatterjee, Krushna Prasad Shadangi & Kaustubha Mohanty	Chemical	Waste and Biomass Valorization	2019	1877-265X	https://doi.org/10.1007/s12649-019-00754-2	https://link.springer.com/article/10.1007/s12649-019-00754-2#article-info	Yes
Fuel properties and composition study of Cassia siamea seed crude pyrolytic oil and char	Gourav Chatterjee, Krushna Prasad Shadangi & Kaustubha Mohanty	Chemical	Fuel	2018	0016-2361	https://doi.org/10.1016/j.fuel.2018.07.066	https://www.sciencedirect.com/science/article/pii/S0016236118312687	Yes
Thermo-chemical conversion of mango seed kernel and shell to value added products	Gautam Ganesan, Krushna Prasad Shadangi & Kaustubha Mohanty	Chemical	Journal of Analytical and Applied Pyrolysis	2016	0165-2370	https://doi.org/10.1016/j.jaap.2016.09.004	https://www.sciencedirect.com/science/article/pii/S0165237016303357?via%3Dihub	Yes
Study the Fuel characteristics of Ethanol and Waste Engine Oil Pyrolytic oil blends	Nivedita Patel, Krushna Prasad Shadangi	Chemical	Environmental Science and Pollution Research	2021		https://doi.org/10.1007/s11356-021-15281-8	https://link.springer.com/article/10.1007/s11356-021-15281-8	Yes
Encapsulating toxic Rhodamine 6G dye, and Cr (VI) metal ions from liquid phase using AlPO4-5 molecular sieves. Preparation, characterization, and adsorption parameter	Anjani RK Gollakota, Venkata Subbaiah Munagapati, Krushna Prasad Shadangi, Guda Mallikarjuna Reddy, Jet-Chau Wen, Chi-Min Shu	Chemical	Journal of Molecular Liquids	2021	116549	https://doi.org/10.1016/j.molliq.2021.116549	https://www.sciencedirect.com/science/article/abs/pii/S0167732221012733	Yes
Study of frequency dependence properties of CCTO-BT/polymer composites	Swagatika Mishra, Punyapriya Mishra, Deepak Kumar Mohapatra, Punyatoya Mishra, Dinesh Kumar Mishra, Krushna Prasad Shadangi	Chemical	J Mechanical Engineering Science, Part C	2023		DOI: 10.1177/09544062231192178	Study of frequency dependence properties of CCTO-BT/polymer composites - Swagatika Mishra, Punyapriya Mishra, Deepak Kumar Mohapatra, Punyatoya Mishra, Dinesh Kumar Mishra, Krushna Prasad Shadangi. 2023 (sagepub.com)	Yes
A novel investigation using thermal modeling and optimization of waste pyrolysis reactor using finite element analysis and response surface methodology	Shivi Garg, Anand Nayyar, Abdulrajak Buradi, Krushna Prasad Shadangi, Prabhakar Sharma, Bhaskor Jyoti Bora, Akshay Jain, Mohd Asif Shah	Chemical	Scientific Reports	2023	10931	https://doi.org/10.1038/s41598-023-37793-8	https://journals.sagepub.com/doi/abs/10.1177/09544062231192178	Yes
Potassium-phosphorus-sulfur augmented biochar production from potentially toxic elements abated gypsum pond wastewater of phosphate fertilizer industry	Arati Ray, Manish Kumar, Adnan Asad Karim, Kushalindu Biswas Sibadutta Mohanty, Krushna Prasad Shadangi, Sunil Kumar, Binoy Sarkar	Chemical	Journal of Environmental Chemical Engineering	2023	110404	https://doi.org/10.1016/j.jece.2023.110404	https://www.sciencedirect.com/science/article/abs/pii/S213343723011430	Yes
Liquid amine functional, aqueous blends and the CO2 absorption capacity: Molecular structure, size, interaction parameter and mechanistic aspects	Monika Kumari, Fernanodo Vega, Luz M. Gallego Fern'andez, Krushna Prasad Shadangi, Naveen Kumar	Chemical	Journal of Molecular Liquids	2023	122288	https://doi.org/10.1016/j.molliq.2023.122288	https://www.sciencedirect.com/science/article/abs/pii/S0167732223010917	Yes
Thermo-catalytic pyrolysis of sawdust by a synthesized NiO/Al2O3 composite catalyst: investigation on its reaction mechanism, kinetics, and thermodynamics	Munmi Bhattacharyya, Krushna Prasad Shadangi, Pinakeswar Mahanta, Kaustubha Mohanty	Chemical	Chemical Papers	2023	4877-4903	https://doi.org/10.1007/s11696-023-02826-z	https://link.springer.com/article/10.1007/s11696-023-02826-z	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Biorefineries development from agricultural byproducts: Value addition and circular bioeconomy	Rajesh K. Srivastava, Prakash Kumar Sarangib, Krushna Prasad Shadangi, Soumya Sasmal, Vijai Kumar Gupta, Muthusamy Govarthanam, Uttam Kumar Sahoo, Sanjukta Subudhi	Chemical	C	2023	100970	https://doi.org/10.1016/j.scp.2023.100970	https://www.sciencedirect.com/science/article/abs/pii/S2352554123000049	Yes
Ionic liquid [bmim] [TFSI] templated Na-X zeolite for the adsorption of (Cd ²⁺ , Zn ²⁺), and dyes (AR, R6)	Anjani RK. Gollakota, Venkata Subbaiah Munagapati, Sheng-Wei Liao, Chi-Min Shu, Krushna Prasad Shadangi, Prakash K. Sarangi, Jet-Chau Wen	Chemical	Environmental Research	2023	114525	https://doi.org/10.1016/j.envres.2022.114525	https://www.sciencedirect.com/science/article/abs/pii/S013935122018527	Yes
Effective hydrolysis for waste plant biomass impacts sustainable fuel and reduced air pollution generation: A comprehensive review	Rajesh K. Srivastava, Sruthy Vineed Nedungadi, NasimAkhtar, Prakash Kumar Sarangi, Sanjukta Subudhi, Krushna Prasad Shadangi, Muthusamy Govarthanam	Chemical	Science of the Total Environment	2023	160260	http://dx.doi.org/10.1016/j.scitotenv.2022.160260	https://www.sciencedirect.com/science/article/abs/pii/S048969722073600	Yes
Synthesis of dye-doped nano-composites using UV photoreduction process for phenol degradation: A comparative study	Amit Kumar Behera, Krushna Prasad Shadangi, Prakash Kumar Sarangi	Chemical	Environmental Pollution	2022	120019	https://doi.org/10.1016/j.envpol.2022.120019	https://www.sciencedirect.com/science/article/abs/pii/S0269749122012337	Yes
A mini review on microwave and contemporary based biohydrogen production technologies: a comparison	Sarthak Saxena, Shweta Rawat, Soumya Sasmal, Krushna Prasad Shadangi	Chemical	Environmental Science and Pollution Research	2022		https://doi.org/10.1007/s11356-022-21979-0	https://link.springer.com/article/10.1007/s11356-022-21979-0	Yes
Improving combustion and emission characteristics of a biogas/biodiesel-powered dual-fuel diesel engine through trade-off analysis of operation parameters using response surface methodology	Bhaskor J Bora, Thanh Dai Tran, Krushna Prasad Shadangi, Prabhakar Sharma, Zafar Said, Pankaj Kalita, Abdulrajak Buradi, Van Nhanh Nguyen, Hakeem Niyas, Minh Tuan Pham, Chau Thanh Nguyen Le, Viet Dung Tran, Xuan Phuong Nguyen	Chemical	Sustainable Energy Technologies and Assessments	2022	102455	https://doi.org/10.1016/j.seta.2022.102455	https://www.sciencedirect.com/science/article/abs/pii/S213138822005070	Yes
Pyrolytic oil blended gasoline as future fuel: pyrolysis mechanism, fuel properties, and composition analysis	Nivedita Patel, Krushna Prasad Shadangi, Praveen Kumar Kar	Chemical	Environmental Science and Pollution Research	2022	86400–86417	https://doi.org/10.1007/s11356-022-19776-w	https://link.springer.com/article/10.1007/s11356-022-19776-w	Yes
Sustainable utilization of pineapple wastes for production of bioenergy, biochemicals and value-added products: A review	Prakash Kumar Sarangi, Thangjam Anand Singh, Ng Joykumar Singh, Krushna Prasad Shadangi, Rajesh K. Srivastava, Akhilesh K Singh, Anuj K. Chandel, Nidhi Pareek, Vivekanand Vivekanand	Chemical	Bioresource Technology	2022	127085	https://doi.org/10.1016/j.biortech.2022.127085	https://www.sciencedirect.com/science/article/abs/pii/S096085242200414X	Yes
Conversion of carbon dioxide to methanol: A comprehensive review	Trinath Biswal, Krushna Prasad Shadangi, Prakash Kumar Sarangi, Rajesh K. Srivastava	Chemical	Chemosphere	2022	134299	https://doi.org/10.1016/j.chemosphere.2022.134299	https://www.sciencedirect.com/science/article/abs/pii/S045653522007925	Yes
Utilization of agricultural waste biomass and recycling toward circular bioeconomy	Prakash Kumar Sarangi, Sanjukta Subudhi, Latika Bhatia, Koel Saha, Divya Mudgil, Krushna Prasad Shadangi, Rajesh K. Srivastava, Bhajjit Pattnaik, Raj Kumar Arya	Chemical	Environmental Science and Pollution Research	2022	8526–8539	https://doi.org/10.1007/s11356-022-20669-1	https://link.springer.com/article/10.1007/s11356-022-20669-1	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Co-pyrolysis of coal-biomass: study on reaction kinetics and thermodynamics	Munmi Bhattacharyy, Krushna Prasad Shadangi, Pinakeswar Mahanta, Kautubha Mohanty	Chemical	Biofuel, Bioproducts and Biorefining	2021	725-742	DOI: 10.1002/bbb.2333	https://onlinelibrary.wiley.com/doi/abs/10.1002/bbb.2333#:~:text=The%20literature%20reveals%20that%20the,of%20gaseous%20and%20liquid%20fuel,&text=It%20was%20also%20reported%20that,from%20coal%20and%20biomass%20alone.	Yes
Lignocellulosic waste biomass for biohydrogen production: future challenges and bio-economic perspectives	Latika Bhatia, Prakash Kumar Sarangi, Akhilesh Kumar Singh, Anand Prakash, Krushna Prasad Shadangi	Chemical	Biofuel, Bioproducts and Biorefining	2021	838-858	https://doi.org/10.1002/bbb.2329	https://onlinelibrary.wiley.com/doi/10.1002/bbb.2329	Yes
Conversion of methane to methanol: technologies and future challenges	Rajesh K. Srivastava, Prakash Kumar Sarangi, Latika Bhatia, Akhilesh Kumar Singh, Krushna Prasad Shadangi	Chemical	Biomass Conversion and Biorefinery	2021	1851–1875	https://doi.org/10.1007/s13399-021-01872-5	https://link.springer.com/article/10.1007/s13399-021-01872-5	Yes
Application of Nanotechnology in the Production of Biohydrogen: A Review	Trinath Biswal, Krushna Prasad Shadangi, Prakash Kumar Sarangi	Chemical	Chemical Engineering Technology	2021	218-233	https://doi.org/10.1002/ceat.202000565	https://onlinelibrary.wiley.com/doi/10.1002/ceat.202000565#:~:text=Hydrogen%20production%20with%20nanotechnology%20in,of%20both%20processes%20is%20discussed.	Yes
Vitamin-e encapsulated nanoemulsions: Formulation, rheological and antimicrobial analysis	Veda Prakash, Dr. Lipika Parida	Chemical	Journal of Medical, Pharmaceutical and allied Sciences	2023	2320–7418	https://www.jmpas.com/	https://jmpas.com/admin/assets/article_issue/1688138176JMPAS_MAY_-_JUNE_2023.pdf	Scopus, UGC
Characterization and rheological behavior of vitamin E nanoemulsions prepared by phase inversion composition technique	Veda Prakash, Dr. Lipika Parida	Chemical	Results in Engineering	2023	2590-1230	https://www.sciencedirect.com/journal/results-in-engineering	https://www.sciencedirect.com/science/article/pii/S259012302300302X	Scopus, ESCI
Desilication of high-Silica Indian Coal fly ash by alkali leaching with KOH and NaOH : A Comparative Study	Anil Kumar Murmu, Lipika Parida, P.K. Senapati	Chemical	Journal of coal preparation and utilization	2023	1-16	https://www.tandfonline.com/journals/gcop20	https://www.tandfonline.com/doi/full/10.1080/19392699.2023.2228708	SCIE, Scopus
Current status and prospects of alternate liquid transportation fuels in compression ignition engines: A critical review, Renewable and Sustainable Energy Reviews 161 (2022) 112358	Amar Kumar Das,Santosh Kumar Sahu,Achyut Kumar Panda,	Chemistry	Renewable and sustainable energy review	2022	ISSN: 1364-0321	https://www.journals.elsevier.com/renewable-and-sustainable-energy-reviews	https://doi.org/10.1016/j.rser.2022.112358	SCOPUS, SCIE, Web of Science
Improvement of performance and emission characteristic of waste plastic pyrolytic oil blended diesel fuel in variable compression diesel engine using graphene nano additive	Amar Kumar Das, Achyut K. Panda	Chemistry	Energy and Environment	2021	ISSN:0958-305X	https://journals.sagepub.com/home/eaee	https://doi.org/10.1177/0958305X211060405	SCOPUS, SSCI
Study on the performance and emission characteristics of pyrolytic waste plastic oil operated CI engine using response surface methodology	Amar Kumar Das, Taraprasad Mohapatra, Achyut K. Panda, Sudhansu S. Sahoo,	Chemistry	Journal of Cleaner Production	2021	ISSN:0959-6526	https://www.sciencedirect.com/journal/journal-of-cleaner-production	https://doi.org/10.1016/j.jclepro.2021.129646	SCOPUS, SCIE

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Thermal balancing and exergetic performance evaluation of a compression ignition engine fuelled with waste plastic pyrolytic oil and different fuel additives	Amar Kumar Das, DulariHansdah, Achyut Kumar Panda	Chemistry	Energy	2021	ISSN: 0360-5442 (pri	https://www.journals.elsevier.com/energy	https://doi.org/10.1016/j.energy.2021.120629	SCOPUS, SCIE, Web of Science
Production of Waste Plastics Oil and Its Prospective Use in a Variable Compression CI Engine	Amar Kumar Das; Sudhansu Sekhar Sahoo; and Achyut Kumar Panda	Chemistry	Journal of Hazardous, Toxic, and Radioactive Waste	2021	ISSN 2153-5493	https://ascelibrary.org/journal/jhtrb	https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000606	SCOPUS, Web of Science
Thermo-catalytic degradation of different consumer plastic wastes by zeolite A catalyst	Sthitapragyan Patnaik, Aruna Kumar Barick, Achyut K Panda,	Chemistry	Progress in Rubber, Plastics and Recycling Technology	2020	ISSN: 1477-7606. On	https://journals.sagepub.com/home/prp	https://doi.org/10.1177/1477760620972407	SCOPUS, Web of Science
Thermal Degradation of Different Biomass to Fuel: Optimization of Process Parameters by Response Surface Methodology	Narayan Gouda, Achyut K. Panda	Chemistry	Bio interface Research in Applied Chemistry	2021	ISSN 2069-5837	https://biointerfaceresearch.com/wp-content/uploads/2020/08/20695837112.89318945.pdf	https://doi.org/10.1007/s41660-020-00134-7	SCOPUS, Web of Science
Optimization of Engine Parameters and Ethanol Fuel Additive of a Diesel Engine Fuelled with Waste Plastic Oil Blended Diesel	Amar Kumar Das, Manas Ranjan Padhi, Dulari Hansdah & Achyut Kumar Pand	Chemistry	Process Integration and Optimization for Sustainability	2020	Electronic ISSN 2509-4246 Print ISSN 2509-4238	https://www.springer.com/journal/41660	https://doi.org/10.1007/s41660-020-00134-7	SCOPUS, ESCI
Thermal degradation of eco-friendly alternative plastics: kinetics and thermodynamics analysis	Patnaik, S., Kumar, S. & Panda, Achyut .K.	Chemistry	Environ Sci Pollut Res	2020	Electronic ISSN161	https://www.springer.com/journal/11356	https://doi.org/10.1007/s11356-020-07919-w	SCOPUS, Web of Science, SCI, SCIE
Energy, exergy and emission analysis on a DI single cylinder diesel engine using pyrolytic waste plastic oil diesel blend	Amar Kumar Das, Dulari Hansdah, Alok Kumar Mohapatra, Achyut Kumar Panda,	Chemistry	Journal of Energy Institute	2020	ISSN: 1743-9671	https://www.journals.elsevier.com/journal-of-the-energy-institute	https://doi.org/10.1016/j.joei.2020.01.024	SCOPUS, Web of Science, SCI, SCIE
Production of hydrocarbon rich fuel from abandoned beehive by pyrolysis	Amrita Roy Chowdhury, Gayatri Sabat, Narayan Gouda, Achyut K. Panda	Chemistry	Environmental Progress & Sustainable Energy	2020	ISSN:1944-7450	https://aiche.onlinelibrary.wiley.com/journal/19447450	https://doi.org/10.1002/ep.13472	SCOPUS, Web of Science, SCI, SCIE
Thermal degradation of corn starch based biodegradable plastic plates and determination of kinetic parameters by isoconversional methods using thermogravimetric analyser.	Satyanarayan Patnaik, Sachin Kumar, and Achyut K. Panda	Chemistry	Journal of Energy Institute	2020	ISSN: 1743-9671	https://www.journals.elsevier.com/journal-of-the-energy-institute	DOI: 10.1016/j.joei.2020.01.007	SCOPUS, Web of Science, SCI, SCIE
Pyrolysis of Plastics to Liquid Fuel Using Sulphated Zirconium Hydroxide Catalyst	Achyut K. Panda · Abdullah Alotaibi · Ivan V. Kozhevnikov · N. Raveendran Shiju	Chemistry	Waste & Biomass Valorization	2019	Electronic ISSN 1877-265X Print ISSN 1877-2641	https://www.springer.com/journal/12649	https://doi.org/10.1007/s12649-019-00841-4	SCOPUS, Web of Science, SCIE
Determination of kinetic and thermodynamic parameters of thermal degradation of different biomasses for pyrolysis,	Narayan Gouda, Achyut Kumar Panda	Chemistry	Biocatalysis and Agricultural Biotechnology	2019	ISSN: 1878-8181	https://www.journals.elsevier.com/biocatalysis-and-agricultural-biotechnology	https://doi.org/10.1016/j.bcab.2019.101315	SCOPUS, Web of Science, ESCI
Kinetics of Thermal Degradation of Non-Woven Plastics: Model-Free Kinetic Approach	Satyanarayan Patnaik, Sachin Kumar, and Achyut K. Panda	Chemistry	Chemistry Select	2019	ISSN:2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549	https://doi.org/10.1002/slct.201901114	SCOPUS, Web of Science, SCIE
Performance, emission, energy, and exergy analysis of CI engine using Kaner seed pyrolysis oil blended diesel	Narayan Gouda, Raghubansh K. Singh, Amar K. Das, Achyut K. Panda	Chemistry	Environ Prog Sustainable Energy	2019	ISSN:1944-7450	https://aiche.onlinelibrary.wiley.com/journal/19447450	https://doi.org/10.1002/ep.13269	SCOPUS, Web of Science, SCI, SCIE

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Pyrolytic conversion of protein rich microalgae <i>Arthrospira platensis</i> to bio-oil	Gouda Narayan, Achyut K Panda., R. K Singh., S. K. Ratha,	Chemistry	Research Journal of Chemistry and Environment	2018	E-ISSN: 2278-4527	https://worldresearchersassociations.com/chemistryhome.aspx		SCOPUS
Thermo-catalytic degradation of different plastics to drop in liquid fuel using calcium bentonite catalyst	Achyut K Panda	Chemistry	International Journal of Industrial Chemistry	2018		https://link.springer.com/journal/40090/volumes-and-issues	https://doi.org/10.1007/s40090-018-0147-2	SCOPUS
Kinetic study of thermal degradation of microalgae <i>Arthrospira Platensis</i> by isoconversional methods	Narayan Gouda, S.N. Meher, Achyut Kumar Panda	Chemistry	Research Journal of Chemistry and Environment	2018	E-ISSN: 2278-4527	https://worldresearchersassociations.com/chemistryhome.aspx		SCOPUS
A spectrophotometric study of impact of solvent, substituent and crossconjugation in some 4-aminoantipyrene based Schiff bases	Sukalyan Dash, Ankita Upadhyay, Pravin K Kar	Chemistry	Spectrochim. Acta,	2020				
Effect of Polyaniline-Coated Carbon Nanotube and Nanosilver Hybrid Nanoparticles on the Dielectric Properties of Poly (Methyl Methacrylate) Nanocomposites	Sahu, S., Sahoo, A.P., Shubhadarshinee, L., Ramakrishna, D.S. and Barick, A.K.	Chemistry	Polymer Composites	2018	Online ISSN: 1548-0569		https://doi.org/10.1002/pc.24877	Scopus and SCI
Selective Detection of Fluoride and Hydrogen Sulfate Anions by Pyrimidine-based Fluorescence Chemosensor	Thakur, S.R., Behura, R., Behera, S., Sayala, R.B., Barick, A.K., Ramakrishna, D.S., Jali, B.R.	Chemistry	<i>Indian Journal of Chemistry-Section A</i>	2020	ISSN: 0376-4710 (Print); 0975-0975 (Online)		https://op.niscpr.res.in/index.php/IJCA/article/viewFile/29642/465478383	Scopus and SCI
A Comprehensive Review on Quinones based Fluoride Selective Colorimetric and Fluorescence Chemosensors	Jali, B.R., Barick, A.K., Mohapatra, P., Sahoo, S.K.	Chemistry	<i>Journal of Fluorine Chemistry</i>	2021	ISSN: 0022-1139		https://doi.org/10.1016/j.jfluchem.2021.109744	Scopus and SCI
Translational and rotational phase ordering of symmetric dimer mesogens: Molecular rigidity effect	DS Ramakrishna, TJ Jose, PL Praveen	Chemistry	<i>Journal of Molecular Structure</i>	2021	ISSN: 0022-2860	https://www.journals.elsevier.com/journal-of-molecular-structure	https://doi.org/10.1016/j.molstruc.2021.130336	SCOPUS
Wadsworth Emmons cyclopropanation mediated diastereoselective Syntheses of α -epoxy-trans-disubstituted cyclopropane and α -hydroxy-trans-disubstituted cyclopropane	DS Ramakrishna	Chemistry	<i>Chemical Data Collections</i>	2021	ISSN: 2405-8300	https://www.journals.elsevier.com/chemical-data-collections	https://doi.org/10.1016/j.cdc.2021.100667	SCOPUS
Selective detection of pyrophosphate anion by a simple Cd(II) based terpyridine complex	Aditya Kumar Purohit, Biswa Nath Ghosh, Pravin Kumar Kar	Chemistry	<i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i>	2018	ISSN: 1386-1425		https://doi.org/10.1016/j.saa.2017.07.048	SCI
Fluorescence of N-acylated dansylamide with a long hydrophobic tail: sensitive response to premicellar aggregation of sodium deoxycholate	A. K. Tripathi, Monalisa Mohapatra and A. K. Mishra	Chemistry	<i>Physical Chemistry Chemical Physics</i>	2015	ISSN: 1463-9084			SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
Excited state proton transfer based fluorescent molecular probes and their application in studying lipid bilayer membranes	Monalisa Mohapatra and A. K. Mishra	Chemistry	Photochem. Photobiol. Sc.	2019	ISSN: 1474-9092		SCI
A Fluorescence Study of the Interaction of Anticancer Drug Molecule Doxorubicin Hydrochloride in Pluronic P123 and F127 Micelles	S. K. Behera, M. E. Mohanty and Monalisa Mohapatra	Chemistry	Journal of Fluorescence	2021	ISSN:1053-0509		SCI
Nano ZnO imprinted dextran hybrid poly (N-isopropylacrylamide)/poly ethylene glycol composite hydrogels for in vitro release of ciprofloxacin	K. Prusty, S. Patra and S. K. Swain	Chemistry	Materials Today Communication	2021	ISSN: 0925-8388.	https://doi.org/10.1016/j.mtcomm.2020.101869	SCI
Preparation, characterization and dielectric properties of GO based ZnO embedded mixed metal oxides ternary nanostructured composites	D. Bharatia, B. Parhi and S K Swain	Chemistry	Journal of Alloys and Compounds	2021	ISSN: 03602559	http://doi.org/10.1016/j.jallcom.2021.159274	SCI
Antimicrobial and barrier properties of polyacrylic acid/GO hybrid nanocomposites for packaging application	P. K. Sethy, P. Mohapatra, S. Patra, D. Bharatia and S. K. Swain	Chemistry	Nano-Structures & Nano-Objects	2021	ISSN: 03602559	https://doi.org/10.1016/j.nanos.2021.100747	SCI
Change in orientation of polyacrylic acid and chitosan networks by imprintment of gold nanoparticles	A. Biwal, P. K. Sethy and S. K. Swain	Chemistry	Polymer-Plastic Technology and Materials	2021	ISSN: 03602559	https://doi.org/10.1080/25740881.2020.1793196	SCI
Polypropylene oxide/polyethylene oxide-cellulose hybrid nanocomposite hydrogels as drug delivery vehicle	K. Prusty and S. K. Swain	Chemistry	Journal of Applied Polymer Science	2021	ISSN: 1097-4628	https://onlinelibrary.wiley.com/journal/10974628 https://doi.org/10.1002/app.49921	SCI
Surfactant free green synthesis of GOSiMa hybrid nanocomposite for charge storage application	B. Parhi, D. Bharatia and S. K. Swain	Chemistry	Ceramic International	2020	ISSN: 0272-8842	https://www.journals.elsevier.com/ceramics-international https://doi.org/10.1016/j.ceramint.2020.07.199	Science Citation Index
Graphene quantum dot decorated magnetic graphene oxide filled polyvinyl alcohol hybrid hydrogel for removal of dye pollutants	N. Sarkar, G. Sahoo and S. K. Swain	Chemistry	Journal of Molecular Liquids	2020	ISSN: 0167-7322	https://www.journals.elsevier.com/journal-of-molecular-liquids https://doi.org/10.1016/j.molliq.2020.112591	Science Citation Index Expanded
Optical and dielectric properties of n-type polycrystalline gallium ferrite (GaFeO ₃) thin films on Pt/Si substrates,	M Mishra, S Swain, Sukalyan Dash, S Mukherjee,	Chemistry	Emergent Materials	2021	ISSN:2522-5731	https://www.springer.com/journal/42247 https://doi.org/10.1007/s42247-021-00232-3	Emerging Sources Citation Index
Efficient adsorption of some substituted styrylpyridinium dyes on silica surface from organic solvent media – Analysis of adsorption-solvation correlation	R Sharma, PK Kar, Sukalyan Dash,	Chemistry	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2021	ISSN: 0927-7757	https://www.sciencedirect.com/journal/colloids-and-surfaces-a-physicochemical-and-engineering-aspects https://doi.org/10.1016/j.colsurfa.2021.126847	Science Citation Index Expanded
Verification of corrosion inhibition of Mild steel by some 4-Aminoantipyrine-based Schiff bases – Impact of adsorbate substituent and cross-conjugation,	A Upadhyay, AK Purohit, G Mahakur, Sukalyan Dash, PK Kar,	Chemistry	Journal of Molecular Liquids	2021	0167-7322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids https://doi.org/10.1016/j.molliq.2021.115960	Science Citation Index Expanded

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
Biodegradable superabsorbent with potential biomedical application as drug delivery system of "pectin-g-P (AN-co-AM)/chicken eggshell" bio-composite, https://doi.org/10.1007/s00289-020-03424-9	M Priyadarshini, T Biswal, Sukalyan Dash,	Chemistry	Polymer Bulletin	2020	0170-0839	https://www.springer.com/journal/289	https://doi.org/10.1007/s00289-020-03424-9 Science Citation Index Expanded
A spectrophotometric study of impact of solvent, substituent and crossconjugation in some 4-aminoantipyrene based Schiff bases,	A Upadhyay, PK Kar, Sukalyan Dash,	Chemistry	Spectrochimica Acta Part A: Molecular and Biomolecul	2020	ISSN: 1386-1425	https://www.journals.elsevier.com/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://doi.org/10.1016/j.saa.2020.118231 Science Citation Index Expanded
Water Quality Assessment Of River Brahmani Near By Talcher-Angul Industrial Complex, Odisha, India,	Trinath Biswal, Adyasa Sahoo, Pratap Kumar Panda and R.B. Panda	Chemistry	Pollution Research	2019	ISSN:2578050	http://www.envirobiotechjournals.com/index.php	http://www.envirobiotechjournals.com/article_abstract.php?aid=9581&iid=274&jid=4 Scopus
Physico Chemical And Minerological Properties Of Fly Ash Of Rourkela Steel Plant, Odisha And Its Eco-utilization,	Pratap Kumar Swain, Trinath Biswal* and R. B. Panda	Chemistry	Pollution Research	2019	ISSN:2578050	http://www.envirobiotechjournals.com/index.php	http://www.envirobiotechjournals.com/article_abstract.php?aid=9582&iid=274&jid=4 Scopus
Solid Waste Generation In The Rourkela Steel Plant, Its Recycling And Eco-Utilization,	Trinath Biswal, Pratap Kumar Swain, Rahas Bihari Panda	Chemistry	Pollution Research.	2019	ISSN:2578050	http://www.envirobiotechjournals.com/index.php	http://www.envirobiotechjournals.com/article_abstract.php?aid=9588&iid=274&jid=4 Scopus
Cr(VI) Oxidation of Cholesterol—A Kinetic Study Using N-Cetylpycolinium Dichromates, A Class of Novel Phase Transfer Oxidants,	S. Priyadarshini, P. S. Guru, R. DS, S. Dash,	Chemistry	Kinetics and Catalysis	2019	ISSN: 0023-1584	https://www.springer.com/journal/10975	https://doi.org/10.1134/S0023158419020083
Sustainable Biocomposite Its Manufacturing Processes and Applications,	Munmun Priyadarshini, Trinath Biswal, Subhasmita Dash	Chemistry	Egyptian Journal of Chemistry	2019	ISSN:04492285	https://ejchem.journals.ekb.eg/	DOI:10.21608/ejchem.2018.4669.1440 SCOPUS
Recent progress on the Design and applications of Guar gum based Nano hydrogel [™] Guar Gum-g-P (HEMA-co-AM)/ chicken egg shell as super absorbent.	Munmun Priyadarshini, Trinath Biswal	Chemistry	Egyptian Journal of Chemistry	2019	ISSN:04492285	https://ejchem.journals.ekb.eg/	DOI: 10.21608/EJCHEM.2019.11081.1711 SCOPUS
Cr(VI) oxidation using cetylpycolinium dichromate: Kinetics of oxidation of benzaldehydes with a green protocol,	S Priyadarshini, Sukalyan Dash,	Chemistry	International Journal of Chemical Kinetics	2019	ISSN: 0538-8066	https://www.deepdye.com/browse/journals/international-journal-of-chemical-kinetics	DOI: 10.1002/kin.21233
Tuning commercial diesel to microemulsified and blended form: phase behavior and implications,	B Acharya and Sukalyan Dash,	Chemistry	JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY	2018	ISSN: 01932691	https://www.tandfonline.com/toc/ldis20/current	https://doi.org/10.1080/01932691.2018.1500479
Truncated hexagonal bi-pyramidal gallium ferrite nanocrystals: integration of structural details with visible-light photo-activity and self-cleaning properties,	M Mishra, I Mukherjee, AKr Mall, A Mitra, Sukalyan Dash, S Chatterjee, S Mukherjee, A Roy,	Chemistry	Journal of Materials Chemistry A	2018	ISSN: 2050-7488	https://pubs.rsc.org/en/journals/journalissues/ta#!recentarticles&adv	https://doi.org/10.1039/C8TA02749H
Assessment, analysis and evaluation of Noise Level of Steel city Rourkela, Orissa, India,	Pretisha Barik, Trinath Biswal	Chemistry	Indian Journal of Environmental Protection	2020	ISSN:2537141	https://ijep.co.in/	SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Assessment of Pollution Load In Terms of Water Quality Index of Salandi River in The Command Area of Hadagada Dam and its Downstream, Bhadrak, Odisha, India	Pratap Kumar Panda, Trinath Biswal, Prasant Kumar Dash, Rahas Bihari Panda	Chemistry	Indian Journal of Environmental Protection	2020	ISSN:2537141	https://ijep.co.in/	SCOPUS	
Chitosan based composite scaffolds in skin wound repair: A review	A Biswal, S S Purohit and S. K. Swain	Chemistry	Journal of Drug Delivery Science and Technology	2023	ISSN: 1773-2247	https://www.sciencedirect.com/science/article/abs/pii/S177322472300401X	https://doi.org/10.1016/j.jddst.2023.104549	SCI
Host-Guest Drug Delivery by β -cyclodextrin Assisted Polysaccharide Vehicles: A Review	K. M. Sahu, S. Patra and S. K. Swain	Chemistry	International Journal of Biological Macromolecules	2023	ISSN: 1879-0003	https://www.sciencedirect.com/science/article/abs/pii/S0141813023012321	https://doi.org/10.1016/j.ijbiomac.2023.124338	SCI
Dielectric Study of Nanostructured Ternary Composite Derived from Amalgamated CuO/Ag ₂ O on Graphene Oxide Sheets	D. Bharatia, B. Parhi, and S K Swain	Chemistry	Journal of Materials Research	2023	ISSN: 2044-5326	https://link.springer.com/article/10.1557/s43578-023-01068-9	https://doi.org/10.1557/s43578-023-01068-9	SCI
In vivo fluorescence non-enzymatic glucose sensing technique for diabetes management by CQDs incorporated dextran nanocomposites in human blood serums	S. Patra, S. S. Purohit and S. K. Swain	Chemistry	Microchemical Journal	2023	ISSN: 0026-265X	https://www.sciencedirect.com/science/article/abs/pii/S0026265X23002643	https://doi.org/10.1016/j.microc.2023.108646	SCI
Factors influencing the dielectric properties of GO/MO nanocomposites: review	D. Bharatia, B. Parhi, H. Sahu and S K Swain	Chemistry	Journal of Materials Science: Materials in Electronics	2023	ISSN: 0957-4522	https://link.springer.com/article/10.1007/s10854-023-09928-0	https://doi.org/10.1007/s10854-023-09928-0	SCI
Polymer and Biopolymer Based Nanocomposites for Glucose Sensing	S. Patra, K. M. Sahu, A. A. Reddy and S. K. Swain	Chemistry	International Journal of Polymeric Materials and Polym	2023	ISSN: 1563-535X	https://www.tandfonline.com/doi/full/10.1080/00914037.2023.2175824	https://doi.org/10.1080/00914037.2023.2175824	SCI
Synthesis of sandwiched chitosan-g-PMMA nanocomposite by layered double hydroxides for packaging applications	Sk. Nazrul, A. Biswal, L. Behera, and S. K. Swain	Chemistry	Polymer Bulletin	2023	ISSN: 1436-2449	https://link.springer.com/article/10.1007/s00289-023-04732-6	https://doi.org/10.101007/s00289-023-04732-6	SCI
A materials science approach towards bioinspired polymeric nanocomposites: a comprehensive review	D. Bharatiya, S. Patra, B. Parhi and S K Swain	Chemistry	International Journal of Polymeric Materials and Polym	2023	ISSN: 0091-4037	https://www.tandfonline.com/doi/full/10.1080/00914037.2021.1990057	https://doi.org/10.1080/00914037.2021.1990057	SCI
Combined Effect of Layered Double Hydroxides and Nano silver on Bacterial Inhibition and Gas Barrier Properties of Chitosan Grafted Polyacrylonitrile Nanocomposites	Sk. Nazrul, L. Behera, R. K. Singh, A. Biswal, S. K. Swain	Chemistry	Polymer-Plastic Technology and Materials	2022	ISSN: 2574-089X	https://www.tandfonline.com/doi/full/10.1080/25740881.2022.2086814	https://doi.org/10.1080/25740881.2022.2086814	SCI
Nano BN reinforced cellulose-based tripolymeric hybrid nanocomposites as packaging materials	P. K. Sethy, A. Biswal, P. Mohapatra, and S K Swain	Chemistry	Polymer-Plastic Technology and Materials Polymer-Pl	2022	ISSN: 2574-0881	https://www.tandfonline.com/doi/full/10.1080/25740881.2022.2044048?src=	https://doi.org/10.1080/25740881.2022.2044048	SCI
Effect of polycaprolactone on physicochemical, biological, and mechanical properties of polyethylene oxide and polyamino acids nano block copolymers	B. Parhi, D. Bharatiya, and S K Swain	Chemistry	Journal of Applied Polymer Science	2022	ISSN: 1097-4628	https://www.researchgate.net/publication/345919486_Application_of_Quercetin_Flavonoid_based_Hybrid_Nanocomposites_A_Review	https://doi.org/10.1002.app.20213091	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Nano ZnO imprinted dextran hybrid poly (N-isopropylacrylamide)/poly ethylene glycol composite hydrogels for in vitro release of ciprofloxacin	K. Prusty, S. Patra and S. K. Swain	Chemistry	Materials Today Communication	2021	ISSN: 2352-4928	http://www.sciencedirect.com/science/article/pii/S2352492820328804	https://doi.org/10.1016/j.mtcomm.2020.101869	SCI
Preparation, characterization and dielectric properties of GO based ZnO embedded mixed metal oxides ternary nanostructured composites	D. Bharatia, B. Parhi and S. K Swain	Chemistry	Journal of Alloys and Compounds	2021	ISSN: 0925-8388	https://www.sciencedirect.com/science/article/pii/S0925838821006824?casa_token=Q8bsKceiIDA_AAAAA:KFeq2WVrEvg_hfVHih7-wyFPp9uLzZmfQSRGSw6Vae8a_JMxpCXINNUVMfYU5Kt5zK6vr72lg	https://doi.org/10.1016/j.jallcom.2021.159274	SCI
Antimicrobial and barrier properties of polyacrylic acid/GO hybrid nanocomposites for packaging application	P. K. Sethi, P. Mohapatra, S. Patra, D. Bharatia and S. K. Swain	Chemistry	Nano-Structures & Nano-Objects	2021	ISSN: 2352-507X	https://www.researchgate.net/publication/351130360_Antimicrobial_and_barrier_properties_of_polyacrylic_acidGO_hybrid_nanocomposites_for_packaging_application	https://doi.org/10.1016/j.nanoso.2021.100747	SCI
Change in orientation of polyacrylic acid and chitosan networks by imprint of gold nanoparticles	A. Biwal, P. Sathy and S. K. Swain	Chemistry	Polymer-Plastic Technology and Materials	2021	ISSN: 2574-0881	https://scholar.google.com/scholar?oi=bibs&cluster=3952317627055596792&btnI=1&hl=en	https://doi.org/10.1080/25740881.2020.1793196	SCI
Polypropylene oxide/polyethylene oxide-cellulose hybrid nanocomposite hydrogels as drug delivery vehicle	K. Prusty and S. K. Swain	Chemistry	Journal of Applied Polymer Science	2021	ISSN: 1097-4628	https://onlinelibrary.wiley.com/doi/10.1002/app.49921	https://doi.org/10.1002/app.49921	SCI
Surfactant free green synthesis of GOSiMa hybrid nanocomposite for charge storage application	B. Parhi, D. Bharatia and S. K. Swain	Chemistry	Ceramic International	2020	ISSN: 0272-8842	https://www.sciencedirect.com/science/article/pii/S0272884220322124	https://doi.org/10.1016/j.ceramint.2020.07.199	SCI
Graphene quantum dot decorated magnetic graphene oxide filled polyvinyl alcohol hybrid hydrogel for removal of dye pollutants	N. Sarkar, G. Sahoo and S. K. Swain	Chemistry	Journal of Molecular Liquids	2020	ISSN: 0167-7322	https://www.sciencedirect.com/science/article/pii/S0167732219350676?casa_token=JFKr1dNLv4_AAAAA:mRU5DNB2uSk7AqxUCiiGPFBEaC3UswoCWQUiS2831M9Jh6HXAG2285gCOz1tDO8IRzXUfURc7W	https://doi.org/10.1016/j.molliq.2020.112591	SCI
Nanoclay sandwiched reduced graphene oxide filled macroporous polyacrylamide-agar hybrid hydrogel as an adsorbent for dye decontamination	N. Sarkar, G. Sahoo and S. K. Swain	Chemistry	Nano-Structures & Nano-Objects	2020	ISSN: 2352-507X	https://www.sciencedirect.com/science/article/pii/S2352507X20300512	https://doi.org/10.1016/j.nanoso.2020.100507	SCI
Reduced graphene oxide decorated superporous polyacrylamide based interpenetrating network hydrogel as dye adsorbent	N. Sarkar, G. Sahoo and S. K. Swain	Chemistry	Materials Chemistry and Physics	2020	ISSN: 0254-0584	https://www.journals.elsevier.com/materials-chemistry-and-physics	https://doi.org/10.1016/j.matchemphys.2020.123022	SCI
Nano ZnO reinforced cellulose incorporated polyethylmethacrylate/polyvinyl alcohol composite films as semiconducting packaging materials	K. Prusty and S. K. Swain	Chemistry	Journal of Applied Polymer Science	2020	ISSN: 1097-4628	https://onlinelibrary.wiley.com/journal/10974628	https://doi.org/10.1002/app.49284	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Highly orange fluorescence emission by water soluble gold nanoclusters for "turn off" sensing of Hg ²⁺ ion	D. Sahu, P. Mohapatra and S. K. Swain	Chemistry	<i>Journal of Photochemistry & Photobiology, A: Chemist</i>	2020	ISSN: 1010-6030	https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-a-chemistry	https://doi.org/10.1016/j.jphotochem.2019.112098	SCI
Rhodamine B associated Ag/r-GO nanocomposites as ultrasensitive fluorescent sensor for Hg ²⁺	D. Sahu, N. Sarkar, P. Mohapatra and S. K. Swain	Chemistry	<i>Microchemical Journal</i>	2020	ISSN: 0026-265X	https://www.journals.elsevier.com/microchemical-journal	https://doi.org/10.1016/j.microc.2019.104577	SCI
Nano CaCO ₃ embodied poly acrylic acid/dextran nanocomposites for packaging applications	P. K. Sethi, K. Prusty, P. Mohapatra and S. K. Swain	Chemistry	<i>Journal of Applied Polymer Science</i>	2020	ISSN: 1097-4628	https://onlinelibrary.wiley.com/journal/10974628	https://doi.org/10.1002/app.48298	SCI
Application of quercetin flavonoid-based hybrid nanocomposites: a review	B. Parhi, D. Bharatiya and S. K. Swain	Chemistry	<i>Saudi Pharmaceutical Journal</i>	2020	ISSN: 1319-0164	https://www.journals.elsevier.com/saudi-pharmaceutical-journal	https://dx.doi.org/10.1016/j.sjps.2020.10.017	SCI
Nano gold hybrid polyvinyl alcohol films for sensing of Cu ²⁺ ions	D. Sahu, N. Sarkar, P. Mohapatra and S. K. Swain	Chemistry	<i>Chemistry Select</i>	2019	ISSN: 2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549	https://doi.org/10.1002/slct.201902167	SCI
Graphene sandwiched crumb rubber dispersed hot mix asphalt	B. B. Singh, F. Mohanty, S. S. Das*, and S. K. Swain	Chemistry	<i>Journal of Traffic and Transportation Engineering</i>	2019	ISSN: 2095-7564	https://www.sciencedirect.com/journal/journal-of-traffic-and-transportation-engineering-english-edition	https://doi.org/10.1016/j.jtte.2019.02.003	SCI
Release of ciprofloxacin drugs by nano gold embedded cellulose grafted polyacrylamide hybrid nanocomposite hydrogels	K. Prusty and S. K. Swain	Chemistry	<i>International Journal of Biological Macromolecules</i>	2019	ISSN: 0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://doi.org/10.1016/j.ijbiomac.2018.12.258	SCI
Nanoclay decorated polyacrylic acid-starch hybrid nanocomposite thin films as packaging materials	P. K. Sethi, K. Prusty, P. Mohapatra and S. K. Swain	Chemistry	<i>Polymer Composites</i>	2019	ISSN: 1548-0569	https://www.sciencedirect.com/topics/materials-science/polymer-composite#:text=A%20polymer%20composite%20is%20a, either%20component%20alone%20%5B1%5D	https://doi.org/10.1002/pc.24636	SCI
Dual activities of nano silver embedded reduced graphene oxide using clove leaf extracts: Hg ²⁺ sensing and catalytic degradation	D. Sahu, G. Sahoo, P. Mohapatra and S. K. Swain	Chemistry	<i>Chemistry Select</i>	2019	ISSN: 2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549	https://doi.org/10.1002/slct.201803725	SCI
Effect of layered graphene oxide on the structure and properties of bovine serum albumin grafted polyacrylonitrile hybrid bionanocomposites	G. Sahoo, N. Sarkar and S. K. Swain	Chemistry	<i>Polymer Composites</i>	2019	ISSN: 1548-0569	https://www.sciencedirect.com/topics/materials-science/polymer-composite	https://doi.org/10.1002/pc.25260	SCI
Silver nanoparticles decorated polyethylmethacrylate/graphene oxide composite: as packaging material	F. Mohanty and S. K. Swain	Chemistry	<i>Polymer Composites</i>	2019	ISSN: 1548-0569	https://www.sciencedirect.com/topics/materials-science/polymer-composite	https://doi.org/10.1002/pc.24944	SCI
Nano silver embedded starch hybrid graphene oxide sandwiched poly (ethylmethacrylate) for packaging application	F. Mohanty and S. K. Swain	Chemistry	<i>Nano-Structures & Nano-Objects</i>	2019	ISSN: 2352-507X	https://www.journals.elsevier.com/nano-structures-and-nano-objects	https://doi.org/10.1016/j.nanos.2019.100300	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Nanostructured gold dispersed polyethylmethacrylate/dextran hybrid composites for packaging applications	K. Prusty and S. K. Swain	Chemistry	<i>Polymer-Plastic Technology and Materials</i>	2019	ISSN: 2574-089X	https://www.tandfonline.com/toc/lpte21/current	https://doi.org/10.1080/25740881.2019.1602141	SCI
Nano silver imprinted graphene oxide as catalyst in reduction of 4-nitrophenol	D. Sahu, N. Sarkar, G. Sahoo, P. Mohapatra and S. K. Swain	Chemistry	<i>Journal of Physical Organic Chemistry</i>	2019	ISSN: 1099-1395	https://onlinelibrary.wiley.com/journal/10991395	https://doi.org/10.1002/poc.3971	SCI
Synthesis of soy protein/polyacrylamide nanocomposite hydrogels for delivery of ciprofloxacin drug	K. Prusty, A. Biswal, S. B. Biswal and S. K. Swain	Chemistry	<i>Materials Chemistry and Physics</i>	2019	ISSN: 0254-0584	https://www.journals.elsevier.com/materials-chemistry-and-physics	https://doi.org/10.1016/j.matchemphys.2019.05.038	SCI
Sandwich structured starch grafted polyethylhexylacrylate/polyvinylalcohol thin films	K. Prusty, P. K. Sethy and S. K. Swain	Chemistry	<i>Advances in Polymer Technology</i>	2018	ISSN: 1098-2329	https://onlinelibrary.wiley.com/journal/10982329	https://doi.org/10.1002/adv.22161	SCI
Nano silver decorated polyacrylamide/dextran nanohydrogels hybrid composites for drug delivery applications	K. Prusty and S. K. Swain	Chemistry	<i>Materials Science & Engineering: C</i>	2018	ISSN: 0928-4931	https://www.journals.elsevier.com/materials-science-and-engineering-c	https://doi.org/10.1016/j.msec.2017.11.028	SCI
Nanostructured chitosan composites for cancer therapy: a review	K. Prusty and S. K. Swain	Chemistry	<i>International Journal of Polymeric Materials and Polymers</i>	2018	ISSN: 1563-535X	https://www.tandfonline.com/toc/gpom20/current	https://doi.org/10.1080/00914037.2017.1393678	SCI
Delamination of Mg-Al layered double hydroxide on starch: change in structural and thermal properties	S. K. Swain*, S. Barik, G. C. Pradhan and L. Behera	Chemistry	<i>Polymer-Plastics Technology and Engineering</i>	2018	ISSN: 2574-089X	https://www.tandfonline.com/loi/lpte20	https://doi.org/10.1080/03602559.2017.1410844	SCI
Three-dimensional rice straw structured magnetic nanoclay decorated tri-polymeric nanohydrogels as superabsorbent of dye pollutants	N. Sarkar, G. Sahoo, R. Das and S. K. Swain	Chemistry	<i>ACS Applied Nano Materials</i>	2018	ISSN: 2574-0970	https://pubs.acs.org/journal/aaanmf6	https://doi.org/10.1021/acsnm.7b00358	SCI
Designing of epoxy matrix by chemically modified multivalled carbon nanotubes	S. Gantayat, N. Sarkar, G. Prusty, D. Rout and S. K. Swain	Chemistry	<i>Advances in Polymer Technology</i>	2018	ISSN: 1098-2329	https://onlinelibrary.wiley.com/journal/10982329	https://doi.org/10.1002/adv.21654	SCI
Biomedical applications of acrylic based nanohydrogels: a review	S. K. Swain* and K. Prusty	Chemistry	<i>Journal of Materials Science</i>	2018	ISSN: 0022-2461	https://www.springer.com/journal/10853	https://doi.org/10.1007/s10853-017-1726-x	SCI
Carbon nanomaterial-reinforced epoxy composites: a review	S. Gantayat, D. Rout, S. K. Swain	Chemistry	<i>Polymer-Plastic Technology and Engineering</i>	2018	ISSN: 2574-089X	https://www.tandfonline.com/loi/lpte20	https://doi.org/10.1080/03602559.2017.1298802	SCI
The effect of reduced graphene oxide intercalated hybrid organoclay on the dielectric properties of polyvinylidene fluoride nanocomposite films	G. Sahoo, N. Sarkar and S. K. Swain	Chemistry	<i>Applied Clay Science</i>	2018	ISSN: 0169-1317	https://www.sciencedirect.com/journal/applied-clay-science	https://doi.org/10.1016/j.clay.2018.05.008	SCI
h-BN huddled starch reinforced polyethylhexylacrylate/polyvinyl alcohol thin films for packaging applications	K. Prusty and S. K. Swain	Chemistry	<i>Polymer Composites</i>	2018	ISSN: 1548-0569	https://www.sciencedirect.com/topics/materials-science/polymer-composite	https://doi.org/10.1002/pc.24941	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Assessment of Water Quality Index and Modelling of Taladanda Canal and Mahanadi River in Paradip area, Odisha, India, Asian Journal of Water, Environment and Pollution, 17 (4) ,59-72.DOI 10.3233/AJW200052	Prusty, Rabiranjana, Biswal, Trinatha;	Chemistry	Asian Journal of Water, Environment and Pollution	2020	ISSN: 0972-9860	https://www.iospress.nl/journal/asian-journal-of-water-environment-and-pollution/	Emerging Sources Citation Index	
Improvement in Metal Dissolution from Spent Catalyst by Adapted Acidithiobacillus ferroxidans.	Debabrata Pradhan , Lala Behari Sukla , Archana Pattanaik , D P Krishna Samal , Trinath Biswal , Sushant Kumar Bad Jena	Chemistry	Biointerface Research in Applied Chemistry	2021	ISSN: 2069-5837	https://biointerfaceresearch.com/	https://doi.org/10.33263/BRIAC111.77947803	Emerging Sources Citation Index
Biodegradable, superabsorbent with potential biomedical application as drug delivery system of "Pectin-g-P(AN-co-AM)/Chicken eggshell" bio-composite, Polymer Bulletin	1) Munmun Priyadarsini, Trinath Biswal*, Sukalyan Dash,(2020)	Chemistry	Polymer Bulletin	2020	ISSN:0170-0839	https://www.springer.com/journal/289	DOI 10.1007/s00289-020-03424-9	Sci
Physico-chemical, bacteriological and health hazard effect analysis of the water in Taladanda Canal, Paradip area, Odisha, India DOI: 10.19637/j.cnki.2305-7068.2020.04.007	Rabiranjana Prusty, Trinath Biswal	Chemistry	Journal of ground water science and Engineering	2020	2305-7068	http://www.ihg.org.cn/en/article/2020/4	DOI: 10.19637/j.cnki.2305-7068.2020.04.007	Emerging Sources Citation Index
Green synthesis, swelling behaviour and orthopaedic application of polysaccharide based hydrogel	Munmun Priyadarsini & Trinath Biswal	Chemistry	Indian Journal of Chemical Technology	2020	0971-457X	http://nopr.niscair.res.in/handle/123456789/55	http://op.niscair.res.in/index.php/IJCT/article/view/27763	
Alginate and its application to tissue engineering,	Deepti Rekha Sahoo, Trinath Biswal	Chemistry	SN Applied Sciences	2021	ISSN:2523-3971	https://www.springer.com/journal/42452	https://doi.org/10.1007/s42452-020-04096-w	
Design and Eco-Utilization of Blast Furnace Slag generated from Rourkela Steel Plant, Odisha, India,	Pratap Kumar Swain and Trinath Biswal	Chemistry	Indian Journal of Environmental Protection	2021	ISSN:2537141	https://ijep.co.in/		
Analysis of Soil Quality, Modelling in and around Steel City Rourkela, Odisha, India, Accepted in International Journal of environment and waste management	Pratap Kumar Swain and Trinath Biswal* R B Panda	Chemistry	International Journal of environment and waste management	2021	ISSN: 14789868	https://www.inderscience.com/jhome.php?code=ijewm		
Recent progress in Schiff bases in detections of fluoride ions	B. R. Jali and J. B. Baruah	Chemistry	Dyes and Pigments	2021	ISSN: 0143-7208	https://www.sciencedirect.com/journal/dyes-and-pigments	https://doi.org/10.1016/j.dyepig.2021.109575	
Preparation and characterisation of silver nanoparticles/graphene oxide hybrid nanofiller reinforced-polyaniline:	Lipsa Shubhadarshinee, Bigyan Ranjan Jali, Aruna Kumar Barick, Priyaranjan Mohapatra	Chemistry	plastics rubber and composites macromolecular engineering	2021	ISSN:17432898	https://www.tandfonline.com/toc/yprc20/current	https://doi.org/10.1080/14658011.2021.1939587	
Investigation on bindings of a binaphthoquinone derivative with serum albumin proteins by fluorescence spectroscopy:	B. R. Jali and J. B. Baruah	Chemistry	Indian Journal of Chemistry	2021	ISSN:0376-4699	http://nopr.niscair.res.in/handle/123456789/57622	http://nopr.niscair.res.in/handle/123456789/57622	SCOPUS-SCI
Antibacterial Activity of Thiazole and its Derivatives: A Review	Patitapaban Mohanty, Sunita Behera, Rubi Behura, Lipsa Shubhadarshinee, Priyaranjan Mohapatra, Aruna Kumar Barick, Bigyan Ranjan Jali	Chemistry	Biointerface research in applied chemistry	2021	ISSN:2069-5837	https://biointerfaceresearch.com/	https://doi.org/10.33263/BRIAC122.21712195	SCOPUS-SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Study of Interaction Between Bovine Serum Albumin and Dolutegravir Intermediate: Fluorescence and Molecular Docking Analysis:	Sunita Behera, Rubi Behura, Patitapaban Mohanty, Mitali Sahoo, Ramakrishna Duggirala and B. R. Jali	Chemistry	Biointerface research in applied chemistry	2021	ISSN:2069-5837	https://biointerfaceresearch.com/	https://doi.org/10.33263/BRIAC115.1310213110	SCOPUS-SCI
Ultrasonic Velocity and Allied Acoustical Parameters of 2, 4-dinitrophenyl hydrazine based Schiff base in DMSO:	R. Behura , Sunita Behera , B. B. Palai , S. Mis , M. Mishra , S. Behera , G. Nath & B. R. Jali	Chemistry	Indian Journal of Chemistry	2020	ISSN:0376-4699	http://nopr.niscair.res.in/handle/123456789/57622	http://nopr.niscair.res.in/handle/123456789/57622	SCOPUS-SCI
A Mini-Review: Quinones and their Derivatives for Selective and Specific Detection of Specific Cations:	B. R. Jali	Chemistry	Biointerface research in applied chemistry	2021	ISSN:2069-5837	https://biointerfaceresearch.com/	https://doi.org/10.33263/BRIAC114.1167911699	SCOPUS-SCI
Spectroscopic, cytotoxicity and molecular docking studies on the interaction between 2,4-dinitrophenylhydrazine derived Schiff bases with bovine serum albumin:	S Behera, R Behura, M Mohanty, R Dinda, P Mohanty, Anil K Verma, Suban K Sahoo, BR Jali	Chemistry	Sensor International	2020	ISSN:2666-3511	https://www.sciencedirect.com/journal/sensors-international	https://doi.org/10.1016/j.sintl.2020.100048	SCOPUS-SCI
A concise review on the stereoselective synthesis of chiral α -bisamides using stereoselective Ugi-type reaction	Ramakrishna D. S., Ankita Pradhan	Chemistry	Arkivoc	2021	ISSN:1551-7012	https://www.arkat-usa.org/about-arkivoc/	https://doi.org/10.24820/ark.5550190.p011.519	SCOPUS-SCI
One pot synthesis of chiral secondary alcohols using noyori asymmetric transfer hydrogenation and Williamson monoetherification: Application in the diastereoselective syntheses of Cis cyclopropyl containing molecules	Ramakrishna D. S.,	Chemistry	Chemical Data Collections	2021	ISSN:2405-8300	https://www.sciencedirect.com/journal/chemical-data-collections	https://doi.org/10.1016/j.cdc.2021.100685	SCOPUS-SCI
Air quality analysis of the steel city, Rourkela (Odisha)	V1) Trinath Biswal*, P. K. Kar, Madhusmita Das, R. B. Panda	Chemistry	<i>Journal of Environment and Bio-Sciences</i>					
AI-driven critical parameter optimization of sustainable self-compacting geopolymer concrete	Parhi, S. K.; Dwibedy, S.; Panigrahi, S. K.	Civil Engineering	<i>Journal of Building Engineering</i>	2024		https://doi.org/10.1016/j.jobee.2024.108923		
Metaheuristic optimization of machine learning models for strength prediction of high-performance self-compacting alkali-activated slag concrete	Parhi, S. K.; Panda, S.; Dwibedy, S.; Panigrahi, S. K.	Civil Engineering	<i>Multiscale and Multidisciplinary Modeling, Experimentation and Simulation</i>	2024		https://doi.org/10.1007/s41939-023-00349-4		
Factors affecting the structural performance of geopolymer concrete beam composites	Dwibedy, S. and Panigrahi, S. K.	Civil Engineering	<i>Construction and Building Materials</i>	2023		https://doi.org/10.1016/j.conbuildmat.2023.134129		
Production of durable high strength self-compacting geopolymer concrete with GGBFS as a precursor	Pradhan, J.; Panda, S.; Dwibedy, S.; Pradhan, P.; Panigrahi, S. K	Civil Engineering	<i>Journal of Material Cycles and Waste Management</i>	2023		https://doi.org/10.1007/s10163-023-01851-0		
Factors affecting production and properties of self-compacting geopolymer concrete – A review	Pradhan, P.; Panda, S.; Parhi, S. K.; Panigrahi, S. K.	Civil Engineering	<i>Construction and Building Materials</i>	2022		https://doi.org/10.1016/j.conbuildmat.2022.128174		

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Durability characteristics of geopolymer concrete- Progress and perspectives	Pradhan, P.; Dwibedi, S.; Pradhan, M.; Panda, S.; Panigrahi, S. K.	Civil Engineering	Journal of Building Engineering	2022		https://doi.org/10.1016/j.jobe.2022.105100 .		
A comprehensive study on Controlled Low Strength Material	Parhi, S. K.; Dwibedy, S.; Panda, S.; Panigrahi	Civil Engineering	Journal of Building Engineering	2023		https://doi.org/10.1016/j.jobe.2023.107086		
Alkali-silica reaction expansion prediction in concrete using hybrid metaheuristic optimized machine learning algorithms	Parhi, S. K.; Panigrahi, S. K.	Civil Engineering	Asian Journal of Civil Engineering	2023		https://doi.org/10.1007/s42107-023-00799-8		
GGBFS-based Self-Compacting Geopolymer Concrete with Optimized Mix Parameters established on Fresh, Mechanical, and Durability Characteristics	Jharana Pradhan; Soumyaranjan Panda; Suraj Kumar Parhi; Priyanka Pradhan; Saubhagya Kumar Panigrahi	Civil Engineering	Journal of Materials in Civil Engineering, ASCE	2023		https://doi.org/10.1061/JMCEE7.MTENG-16669		
Modes of failure in shear deficient RC T- beams strengthened with FRP	Panigrahi, S. K., Deb, A. and Bhattacharyya, S. K	Civil Engineering	Journal of Composites for Construction, ASCE	2016		10.1061/(ASCE)CC.1943-5614.0000586		
Effect of laminate stiffness on failure mode in FRP wrapped T beams	Panigrahi, S. K., Deb, A. and Bhattacharyya, S. K.	Civil Engineering	International Journal of Research in Engineering and T	2015		10.15623/ijret.2015.0425074		
Possible use of T-section columns in RC frame	Panigrahi, S.K. and Sahoo, A.K	Civil Engineering	The Indian Concrete Journal	2003		https://icjonline.com		
Determination of flow parameters in Mundoghat irrigation canal of Hirakud canal system using flow measuring instruments	Ashutosh Rath and Prakash Chandra Swain	Civil Engineering	Measurement	2018	ISSN: 0263-2241		SCI Indexed. IMPACT FACTOR 3.927	
Discharge Measurement in Part of Hirakud Canal System, Odisha, India, Using Chiu's Equation	Ashutosh Rath, Sandeep Samantaray & Prakash Chandra Swain	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2019	Electronic ISSN 2250	springer.com	SCOPUS and UGC-CARE List (India)	
Flow Measurement in Huma Tail Distributary of Hirakud Command Area, India using Chiu's Equation.	Ashutosh Rath, Sandeep Samantaray and Prakash Chandra Swain	Civil Engineering	Pertanika Journal of Science & Technology, Volume 27	2019	ISSN 0128-7702; e-I	www.pertanika.upm.edu.my	SCOPUS	
Evaluation of performance of irrigation canals using benchmarking techniques—a case study of Hirakud dam canal system, Odisha, India	Ashutosh Rath and Prakash Chandra Swain	Civil Engineering	ISH Journal of Hydraulic Engineering, Taylor and Franc	2018	ISSN: 0971-5010 (Pri	https://www.tandfonline.com/toc/tish20/current	SCOPUS	
Water allocation from Hirakud Dam, Odisha, India for irrigation and power generation using optimization techniques	Ashutosh Rath and Prakash Chandra Swain	Civil Engineering	ISH Journal of Hydraulic Engineering, Taylor and Franc	2018	ISSN: 0971-5010 (Pri	https://www.tandfonline.com/toc/tish20/current	SCOPUS	
Optimal Allocation of Water for Irrigation and Power Generation –A Case Study of Hirakud Reservoir, Odisha, India.	Ashutosh Rath and Prakash Chandra Swain	Civil Engineering		2018	ISSN :0492-1550	https://www.researchgate.net/journal/Taiwan-Water-Conservancy-0492-1550	SCOPUS	
Optimal Allocation of Agricultural Land for crop planning in Hirakud Canal Command Area using Swarm Intelligence Techniques	Ashutosh Rath and Prakash Chandra Swain	Civil Engineering	ISH Journal of Hydraulic Engineering, Taylor and Franc	2018	ISSN: 0971-5010 (Pri	https://www.tandfonline.com/toc/tish20/current	SCOPUS	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Effect of hydrogeological factors on removal of turbidity during river bank filtration: Laboratory and field studies	Rajiv L.Sahu, Rakesh R.Dash, Pradip K.Pradhan, PragnyaDas	Civil Engineering	Groundwater for Sustainable Development	2019	ISSN: 2352-801X,Vol	https://www.sciencedirect.com/journal/groundwater-for-sustainable-development		Scopus	
Use of soil conservation service curve number and filtration coefficient approach for simulating Escherichia coli removal during river bank filtration	Rajiv L.Sahu, Rakesh R.Dash, Pradip K.Pradhan	Civil Engineering	Journal of Water Process Engineering	2020	4, Volume 37, October	https://www.sciencedirect.com/journal/journal-of-water-process-engineering		Scopus	
Laboratory and field studies on the effect of geoenvironmental factors on the removal of linear alkylbenzene sulfonate during riverbank filtration	Rajiv L.Sahu, Rakesh R.Dash, Pradip K.Pradhan	Civil Engineering	Arabian Journal of Geosciences	2023	ISSN: 1866-7511	https://www.springer.com/journal/12517			
Laboratory and field studies to assess the effect of hydrogeological parameters on coliform removal during riverbank filtration	Rajiv L.Sahu, Rakesh R.Dash, Pradip K.Pradhan	Civil Engineering	Journal of Hazardous, Toxic, and Radioactive Waste	2022	ISSN: 2153-5493	https://ascelibrary.org/journal/jhtrbp		Scopus	
A study on adsorption of anionic surfactant from water during riverbank filtration	Rajiv L.Sahu, Rakesh R.Dash, Pradip K.Pradhan	Civil Engineering	Journal of Molecular Liquids	2022	ISSN: 0167-7322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids		SCIE	
Utilization of industrial waste for Cr(VI) adsorption from aqueous solution: a statistical modeling approach	Narayan Tiadi, Rakesh R.Dash, Chitta R. Mohanty	Civil Engineering	Arabian Journal of Geosciences	2022	ISSN: 1866-7511	https://www.springer.com/journal/12517			
Equilibrium and Kinetic Studies on Sorption of Boron on Industrial Wastes	Lusi Subhadarsini, Rakesh R. Dash, Mousumi Mohapatra, Rajiv L.Sahu	Civil Engineering	Journal of Hazardous, Toxic, and Radioactive Waste	2022	ISSN: 2153-5493	https://ascelibrary.org/journal/jhtrbp		Scopus	
Comparative Studies of Adsorption of Chromium(VI) Ions onto Different Industrial Wastes	Narayan Tiadi, Rakesh R.Dash, Chitta R. Mohanty, A M Patel	Civil Engineering	Journal of Hazardous, Toxic, and Radioactive Waste	2022	ISSN: 2153-5493	https://ascelibrary.org/journal/jhtrbp		Scopus	
Discharge estimation in wide meandering compound channels	P.K. Mohanty, L.P. Mohanty & K. K. Khatua	Civil Engineering	ISH Journal of Hydraulic Engineering, Taylor and Francis	2019	ISSN: 0971-5010 (Print)	https://www.tandfonline.com/toc/tish20/current		SCOPUS	
A Discrete Element Implementation for Concrete: Particle Generation, Contact Calculations, Packing Under Gravity and Modeling Material Response	R. Dandapat, S. Ghosh, and A. Deb	Civil Engineering	Granular Matter, Springer	2018	ISSN 14347636, Vol 10	https://link.springer.com/article/10.1007/s10035-018-0803-4		SCI	
Performance Evaluation of Polypropylene Fibre Reinforced Recycled Aggregate Concrete	C. Das, T. Dey, R. Dandapat, B.B. Mukherjee, J. Kumar	Civil Engineering	Construction and Building Material	2018	ISSN 0950-0618, Vol 180	https://www.sciencedirect.com/science/article/pii/S095006181832213X		SCI	
Improved Numerical Modelling of Fiber Reinforced Plastics I-Beam from Experimental Modal Testing and Finite Element Model Updating	Asim Kumar Mishra, M Althaf and Sushanta Chakraborty	Civil Engineering	International Journal of Acoustics and Vibration	2018	Vol. 23, Issue 1, page 7	https://iaav.org/iaav/index.php?va=viewpage&vaid=177&id_number=85		SCI	
Inverse Determination of Local Variations of Constituent Level Elastic Parameters of FRP Composite Plates	A. K. Mishra and S. Chakraborty	Civil Engineering	Inverse Problems in Science and Engineering, Taylor & Francis	2019	Vol. 27, Issue 6, page 1502	https://www.tandfonline.com/doi/full/10.1080/17415977.2018.1502289		SCI	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
Determination of layerwise material properties of composite plates using mixed numerical-experimental technique	A. K. Mishra and S. Chakraborty	Civil Engineering	Inverse Problems in Science and Engineering, Taylor &	2019	Vol. 27, Issue 10; pa	https://www.tandfonline.com/doi/full/10.1080/17415977.2019.1582649				SCI
Experimental Evaluation of Miniature Impedance Chip for Structural Health Monitoring of Prototype Steel/RC Structures	N Kaur, S Bhalla, R Shankar, R Panigrahi	Civil Engineering	Experimental Techniques	2016	Vol 40, Issue 3	https://www.springer.com/journal/40799				SCOPOUS, SCIE
Parametric study on sustainable geopolymer concrete	S Jena and R Panigrahi	Civil Engineering	Int. J. Sustainable Materials and Structural System	2018	Vol 3, Issue 3/4	https://www.inderscience.com/index.php				UGC Care List
Performance assessment of geopolymer concrete with partial replacement of ferrochrome slag as coarse aggregate	S Jena and R Panigrahi	Civil Engineering	Construction and Building materials	2019	Vol 220	https://www.journals.elsevier.com/construction-and-building-materials	https://doi.org/10.1016/j.conbuildmat.2019.06.045			SCOPOUS, SCIE
Mechanical and durability properties of flyash geopolymer concrete with silica fume	S Jena, R Panigrahi and P Sahu	Civil Engineering	Journal of the Institution of Engineer s Series A	2019	Vol 100, Issue 4	https://www.springer.com/journal/40030				SCOPOUS
A review on utilization of alkali activated Fly ash and GGBFS as green concrete	S Panda, R Panigrahi and M L Narasimham	Civil Engineering	ADALYA Journal	2019	Vol 8, Issue 7	https://adalyajournal.com/				UGC Care List Group 2
Effect of granite dust as partial replacement to natural sand on strength and ductility of reinforced concrete beams	S Upadhyaya, B nanda and R Panigrahi	Civil Engineering	Journal of the Institution of Engineer s Series A	2020	Vol 101, Issue 4	https://www.springer.com/journal/40030				SCOPOUS
Performance evaluation of sustainable geopolymer concrete produced from ferrochrome slag and silica fume	S Jena and R Panigrahi	Civil Engineering	European Journal of Environmental and Civil Engineer	2021	Vol 26, Issue-11	https://www.tandfonline.com/toc/tece20/current	https://doi.org/10.1080/19648189.2021.1886179			SCOPOUS, SCIE
Evaluation of Durability and Microstructural Properties of Geopolymer Concrete with Ferrochrome Slag as Coarse Aggregate	S Jena and R Panigrahi	Civil Engineering	Iranian Journal of Science and Technology, Transaction	2021	Available online	https://www.springer.com/journal/40996				SCOPOUS, SCIE
Development of sustainable concrete incorporating metakaolin and sintered fly ash aggregate	Patra, S.N., Patra, R.K., Mukharjee, B.B. and Jena, S.	Civil Engineering	Structural concrete	2022	Available online	https://doi.org/10.1002/suco.202100047				
Improvement in engineering behaviour of expansive soil reinforced with randomly distributed waste plastic strips;	R. Panda, S. Rath	Civil Engineering	Urban mining and sustainable waste management- Sp	2020	Available online					
Free vibration characteristics of laminated composite stiffened plates: Experimental and Numerical investigation	L. Sinha, S. S. Mishra, A. N. Nayak, S. K. Sahu	Civil Engineering	Composite Structures	2020	Available online	https://www.sciencedirect.com/science/article/abs/pii/S0263822319310487				SCI
Forced vibration analysis of laminated composite stiffened plates	L. Sinha, T. Jena, A.N. Nayak	Civil Engineering	International Journal of Structural Engineering	2020	Available online	https://www.inderscienceonline.com/doi/abs/10.1504/IJSTRUCTE.2021.114263				SCOPUS
Experimental and numerical study on free vibration characteristics of laminated composite plate with/without cut-out	L. Sinha, D. Das, A. N. Nayak, S. K. Sahu	Civil Engineering	Composite Structures	2021	Available online	https://www.sciencedirect.com/science/article/abs/pii/S0263822320329779				SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Optimization of the Cropping Pattern Using Cuckoo Search Technique	A. Rath, S Samantarai, P.C Swain	Civil Engineering	Smart techniques for a smarter planet	2019	Available online	https://link.springer.com/chapter/10.1007/978-3-030-03131-2_2		
Application of Genetic Algorithm to Derive an Optimal Cropping Pattern, in Part of Hirakud Command	A. Rath, S Samantarai, P.C Swain, S biswal	Civil Engineering	Progress in computing, analytics and computing	2018	Available online	https://link.springer.com/chapter/10.1007/978-981-10-7871-2_68		
Derivation of Optimal Cropping Pattern in Part of Hirakud Command using Cuckoo Search	A. Rath, S Samantarai, P.C Swain, S biswal	Civil Engineering	IOP conferencing series: material size and engineering	2017	Available online	https://iopscience.iop.org/article/10.1088/1757-899X/225/1/012068/meta		
CONJUNCTIVE USE OF GROUNDWATER AND SURFACE WATER IN A PART OF HIRAKUD COMMAND AREA	A. Rath, S Samantarai, P.C Swain,	Civil Engineering	International Journal of Engineering and Technology (IJET)	2017	Available online	https://pdfs.semanticscholar.org/6694/bccb5f2cc97336755f5ebf842f0f6ce9b89e.pdf		
Impact Assignment of Integrated Watershed Management in the Micro Watersheds of Sambalpur District, Odisha, India	A. Rath, S Samantarai, P.C Swain, P.R Raj, Saied Eslamian	Civil Engineering	Water harvesting and conservation	2021	Available online	https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119776017.ch23		
Application of statistical parameters for flow analysis of Hirakud reservoir Odisha India	A. Rath, S Samantarai, P.C Swain, P Pattanaik, A Sahoo	Civil Engineering	Authorea Preprints	2020	Available online	https://www.authorea.com/doi/full/10.22541/au.158043194.42962291		
Discharge Measurement in Part of Hirakud Canal System, Odisha, India, Using Chiu's Equation	A. Rath, S Samantarai, P.C Swain	Civil Engineering	Lecture notes in production engineering	2019	Available online	https://link.springer.com/article/10.1007/s40030-019-00370-2		
Missing Discharge Data Filling with Artificial Neural Network	J. Meher	Civil Engineering	i-manager's journal on Civil Engineering	2019	Available online	https://doi.org/10.26634/jce.9.2.14657		
An Independent Variable Based Cross Validation Approach in K-NN Model for Discharge Prediction	J.Meher	Civil Engineering	i-manager's journal on Civil Engineering	2021	Available online	https://doi.org/10.26634/jce.11.3.18316		
Synthesis and characterization of a new class of geopolymer binder utilizing ferrochrome ash (FCA) for sustainable industrial waste management	J. Mishra, S.K. Das, R.S. Krishna, B. Nanda, S.K. Patro, S.M. Mustakim	Civil Engineering	Materials Today: Proceedings	2020	Vol. 33, pp. 5001-5002	https://doi.org/10.1016/j.matpr.2020.02.832		SCOPUS
Utilization of ferrochrome ash as a source material for production of geopolymer concrete for a cleaner sustainable environment	J. Mishra, S.K. Das, R.S. Krishna, B. Nanda, S.K. Patro, S.M. Mustakim	Civil Engineering	Indian Concrete Journal	2020	Vol. 94, No. 7, pp. 40	https://www.icjonline.com/explore_journals/2020/07		SCOPUS
A Comparative Study on Inverse Vibration Based Damage Assessment Techniques in Beam Structure Using Ant Colony Optimization and Particle Swarm Optimization	A. Majumdar, B. Nanda	Civil Engineering	Advanced Science, Engineering and Medicine	2020	Vol. 12, pp. 918-923	https://doi.org/10.1166/asem.2020.2649		SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Effect of Granite Dust as Partial Replacement to Natural Sand on Strength and Ductility of Reinforced Concrete Beams	S. Upadhyaya, B. Nanda, R. Panigrahi	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2020	ol. 101, pp. 669-677.	https://doi.org/10.1007/s40030-020-00472-2		SCOPUS	
Element damage assessment in semi rigid connected structures using modal domain data	B. Nanda, D. Maity, D.K. Maity	Civil Engineering	International Journal of Structural Engineering	2021	Vol. 11, No. 1, pp. 44	https://doi.org/10.1504/IJSTRUCTE.2021.112092		SCOPUS	
Properties of concrete containing fly ash and bottom ash mixture as fine aggregate." International Journal of Sustainable Engineering	B. Nanda, S. Rout	Civil Engineering	International Journal of Sustainable Engineering	2021	Vol. 14, No. 4, pp. 80	https://doi.org/10.1080/19397038.2021.1920641		SCI	
The role of graphene and its derivatives in modifying different phases of geopolymer composites: A review.	R.S. Krishna, J. Mishra, B. Nanda, S.K. Patro, A. Adetayo, T.S. Qureshi	Civil Engineering	Construction and Building Materials	2021	Vol. 306, 124774, pp	https://doi.org/10.1016/j.conbuildmat.2021.124774		SCI	
Geopolymer composites for smart and sustainable infrastructure: A review	J. Mishra, B. Nanda, S.K. Patro	Civil Engineering	NICMAR Journal of Construction Management	2021	Vol. 36, No. 4, pp. 50	https://nicmar.ac.in/journal-of-construction-management/		UGC	
Strength and microstructural characterization of ferrochrome ash and ground granulated blast furnace slag based geopolymer concrete	J. Mishra, B. Nanda, S.K. Patro, S.K. Das, S.M. Mustakim	Civil Engineering	Journal of Sustainable Metallurgy	2022	Vol.8, pp. 156-169.	https://doi.org/10.1007/s40831-021-00469-6		SCI	
Reinforced concrete deep beam shear retrofitted with deep embedded bar: a numerical investigation.	B. Dutta, A.N. Nayak, B. Nanda, S. Dirar (Civil Engineering	Materials Today: Proceedings,	2022		https://doi.org/10.1016/j.matpr.2021.12.563		SCOPUS	
A review on waste-derived alkali activators for preparation of geopolymer composite	S.S. Mohapatro, J. Mishra, B. Nanda, S.K. Patro	Civil Engineering	Materials Today: Proceedings	2022		https://doi.org/10.1016/j.matpr.2022.01.400		SCOPUS	
influence of ferrochrome ash on mechanical and microstructure properties of ambient cured fly ash based geopolymer concrete	J. Mishra, B. Nanda, S.K. Patro, S.K. Das, S.M. Mustakim	Civil Engineering	Journal of Material Cycles and Waste Management.	2022		https://doi.org/10.1007/s10163-022-01381-1		SCI	
Efficient machine learning algorithm with enhanced cast swarm optimization for prediction of compressive strength of GGBS-based geopolymer concrete at elevated temperature	P. K. Dash, S. K. Parhi, S. K., Patro, R. Panigrahi	Civil Engineering	Construction and Building Materials	2023		https://doi.org/10.1016/j.conbuildmat.2023.132814			
Characterisation and life-cycle assessment of alkali-activated concrete using industrial wastes	S. Prusty, S. Jena, R. Panigrahi	Civil Engineering	International Journal of Environmental Science and Te	2023		DOI 10.1007/s13762-023-05100-7			
Improvement of Durability Aspects of CAC-Based Alkali-Activated Concrete	S. Prusty, D. Behera, S. Jena, R. Panigrahi	Civil Engineering	Iranian Journal of Science and Technology, Transaction	2023		https://link.springer.com/article/10.1007/s40996-023-01098-7			
Assessment of acid and chloride resistance of ferrochrome slag-based geopolymer concrete	S. Prusty, S. Jena, R. Panigrahi	Civil Engineering	Indian Concrete Journal	2023					
Fresh and Hardened properties of Geopolymer Concrete: a Review	S. Prusty, S. Jena, R. Panigrahi	Civil Engineering	Indian Concrete Journal	2022					

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Influence of soil amplification and backfill angle on seismic earth pressure coefficients by pseudo dynamic method	Giri,D. Bandopadhyay, A	Civil Engineering	Geomechanics and Geoengineering An International J	2019		10.1080/17486025.2021.2005159			
Utilisation of phosphogypsum along with other additives in geo-engineering– A review	Bandopadhyay, A. Giri, D.	Civil Engineering	Materiales de Construccion	2022		https://doi.org/10.3989/mc.2022.01322			
Moisture and rutting resistance of recycled polypropylene fiber-modified dense bituminous mix	Behera, H.K, Giri,D, Das, S.S.	Civil Engineering	Innovatine Infrastructure Solution	2023		https://doi.org/10.1007/s41062-023-01118-5			
Estimation and Optimization of the Hydrostatic Height of WaterwayEmbankment Using Taguchi-Based Honey Badger Algorithm	Subhadasini. S.,Giri,D., Das.,S.S.	Civil Engineering	Journal of Soft Computing in Civil Engineering	2023		10.22115/SCCE.2023.389103.1614			
Free vibration characteristics of laminated composite stiffened plates: Experimental and numerical investigation	L Sinha, S S Mishra, A N Nayak, S K Sahu	Civil Engineering	Composite structure	2020		https://doi.org/10.1016/j.compstruct.2019.111557		SCI	
Experimental and numerical study on free vibration characteristics of laminated composite plates with/ without cutout	L Sinha, D Das, A N Nayak, S K Sahu	Civil Engineering	Composite structure	2021		https://doi.org/10.1016/j.compstruct.2020.113051		SCI	
Free vibration behavior of angle ply laminated composite stiffened plates	L Sinha, A Tripathy, A N Nayak, S K Sahu	Civil Engineering	International journal of Structural stability and dynam	2021		https://doi.org/10.1142/S021945542150187X		SCIE	
Forced vibration analysis of laminated composite stiffened plates	L Sinha, T Jena, A N Nayak	Civil Engineering	International journal of structural engineering	2021		https://doi.org/10.1504/IJSTRUCTE.2021.114263		SCOPUS	
Understanding the Structural Stability of the Tehri Dam: A Comprehensive Analysis	Samal, R., Giri,D.	Civil Engineering	Journal of Geotechnical Engineering	2023					
Improvement of expansive soils mixed with red mud and phosphogypsum	Bandopadhyay, A.,Giri,D.	Civil Engineering	Arabian Journal of Geosciences	2023					
Low cost ultrasonic roughometer for pavement roughness measurement	Behera, H.K, Pradhan, S, Das, S. S.	Civil Engineering	Innovative Infrastructure Solutions	2021					
Repercussion of reclaimed concrete fine aggregates over hot mix asphalt design	B Jethy, BB Mukharjee, SS Das	Civil Engineering	Innovative Infrastructure Solutions	2020					
Graphene sandwiched crumb rubber dispersed hot mix asphalt	BB Singh, F Mohanty, SS Das, SK Swain	Civil Engineering	Journal of Traffic and Transportation Engineering	2020					
Two-stage choice-based demand model for rural feeder service to the bus stop	S Sekhar Das, B Maitra	Civil Engineering	Transportmetrica A: Transport Science	2019					
Interlocking aperture concrete block: an answer to permeable pavement	AC Pal, SS Das	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2019					
Estimating in situ optimum bitumen content of dense bituminous macadam: an alternative approach	RP Panda, SS Das, PK Sahoo	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2018					

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Temporal shift in willingness-to-pay for rural feeder service to bus stop	B Satishkumar, B Maitra, SS Das	Civil Engineering	Travel Behaviour and Society	2018					
A factorial design approach to analyse the effect of coarse recycled concrete aggregates on the properties of hot mix asphalt	K Tanty, BB Mukharjee, SS Das	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2018					
Relation between bitumen content and percentage air voids in semi dense bituminous concrete	RP Panda, SS Das, PK Sahoo	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2018					
Dynamic aspects of suspended-sediment-concentration recession curves	L. Mohanty, P. Istalkar and B. Biswal	Civil Engineering	Journal of Hydrology	2023		https://doi.org/10.1016/j.jhydrol.2023.129107			
Discharge estimation in wide meandering compound channels	P.K. Mohanty, L.P. Mohanty & K. K. Khatua	Civil Engineering	ISH Journal of Hydraulic Engineering	2019		10.1080/09715010.2019.1703834			
Small-Strain Shear Modulus and Strength Characteristics of Clayey Soil Treated with Nano-SiO2 and Fly Ash	J. Munda, A.K. Ram & S. Mohanty	Civil Engineering	International Journal of Civil Engineering	2023		https://doi.org/10.1007/s40999-023-00857-x			
Sustainable Fly Ash Based Geopolymer Binders: A Review on Compressive Strength and Microstructure Properties	J. Mishra, B. Nanda, S.K. Patro, R.S. Krishna	Civil Engineering	Sustainability	2023		https://doi.org/10.3390/su142215062		SCI	
Shear strengthening of continuous RC T-beams with deep embedded CFRP and steel bars: A numerical study	B. Dutta, A.N. Nayak, S. Dirar, B. Nanda, M. Theofanous	Civil Engineering	Structures	2023		https://doi.org/10.1016/j.istruc.2023.03.157		SCIE	
Shear behaviour of RC deep beams retrofitted with externally bonded GFRP fabrics: Experimental and numerical study	B. Dutta, A. Kumari, A.N. Nayak	Civil Engineering	Structures	2022		https://doi.org/10.1016/j.istruc.2022.10.042		SCIE	
Eco-friendly and cost-effective concrete utilizing high-volume blast furnace slag and demolition waste with lime	B.P. Lenka, R. K. Majhi, S. Singh, A.N. Nayak	Civil Engineering	European J. of Environmental and Civil Engg	2022		https://doi.org/10.1080/19648189.2021.1896581		SCIE	
Buckling behaviour and design aids of cylindrical panel subjected to uniform in-plane loading	G. Patel, A.N. Nayak	Civil Engineering	International Journal of Structures	2022		https://doi.org/10.1504/IJSTRUCTURE.2022.126184		Scopus	
Reinforced concrete deep beam shear retrofitted with deep embedded bars: A numerical investigation	B. Dutta, A.N. Nayak, B. Nanda, S. Dirar	Civil Engineering	Materials Today: Proceedings	2022		https://doi.org/10.1016/j.matpr.2021.12.563		Scopus	
Structural Performance of RC beams containing high-volume ground granulated blast furnace slag and recycled coarse aggregate with lime	R.K Majhi, R..B. Swain, A.N. Nayak	Civil Engineering	Construction and Building Materials	2021		https://doi.org/10.1016/j.conbuildmat.2021.124907		SCIE	
Sustainable structural lightweight concrete utilizing high-volume fly ash cenosphere	R.K Majhi, S.K. Patel, A.N. Nayak	Civil Engineering	Advances in Concrete Construction: An International J	2021		https://doi.org/10.12989/acc.2021.12.3.257		SCIE	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Performance of structural lightweight concrete produced by utilizing high volume of fly ash cenosphere and sintered fly ash aggregate with silica fume	R.K Majhi, A. Padhy, A.N. Nayak	Civil Engineering	Cleaner Engineering and Technology	2021		https://doi.org/10.1016/j.clet.2021.100121	Scopus	
Dynamic instability analysis and design charts of curved panels with linearly varying periodic in-plane load	G. Patel, A.N. Nayak, A.K.L. Srivastav	Civil Engineering	International Journal of Structural Stability and Dynam	2021		https://doi.org/10.1142/S0219455421501303	SCIE	
Static stability analysis and design aids of curved panels subjected to linearly varying in-plane loading	G. Patel, A.N. Nayak	Civil Engineering	Journal of Institution of Engineers (India)-Series A	2021		https://doi.org/10.1007/s40030-021-00517-0	Scopus	
Effect of transverse and longitudinal reinforcement ratios on the behaviour of RC T-beams shear-strengthened with embedded FRP BARS	K. Sogut, S. Dirar, M. Theofanous, A. Faramarzi, A. N. Nayak	Civil Engineering	Composite Structures	2021		https://doi.org/10.1016/j.compstruct.2021.113622	SCI	
An Experimental approach for strengthening of RC deep beams with web openings using GFRP fabrics and gas actuated fasteners	A. Kumari, A.N. Nayak	Civil Engineering	Journal of Building Engineering	2021		https://doi.org/10.1016/j.jobbe.2020.102027	SCI	
Strengthening of shear deficient RC deep beams using GFRP sheets and mechanical anchors	A. Kumari, A.N. Nayak	Civil Engineering	Canadian Journal of Civil Engineering	2021		https://doi.org/10.1139/cjce-2019-0333	SCI	
Characterization of lime activated recycled aggregate concrete with high-volume ground granulated blast furnace slag	R. K. Majhi, A.N. Nayak, B. B. Mukharjee	Civil Engineering	Construction and Building Materials	2020		https://doi.org/10.1016/j.conbuildmat.2020.119882	SCIE	
Production of sustainable concrete utilising high-volume blast furnace slag and recycled aggregate with lime activator	R. K. Majhi, A.N. Nayak	Civil Engineering	Journal of Cleaner Production	2020		https://doi.org/10.1016/j.jclepro.2020.120188	SCIE	
Utilization of fly ash cenosphere for production of sustainable lightweight concrete	S. K. Patel, H.P. Satpathy, A.N. Nayak	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2020		https://doi.org/10.1007/s40030-019-00415-6	SCIE	
Shear Strengthening of RC Beams using GFRP Sheets	A. Kumari, N. Dalai, R.B. Swain, A.N. Nayak	Civil Engineering	International Journal of Structural Engineering	2020		https://doi.org/10.1504/IJSTRUCTE.2020.105638	Scopus	
An overview of the properties of sustainable concrete using fly ash as replacement for cement	R. K. Majhi, A.N. Nayak, B. B. Mukharjee	Civil Engineering	Int. J. of Sustainable Materials and Structural Systems	2020		https://doi.org/10.1504/IJSMSS.2020.106418	UGC Care	
Durability and microstructural properties of light weight concrete manufactured with fly ash cenosphere and sintered fly ash aggregate	S.K. Patel, R. K. Majhi, H.P. Satpathy, A.N. Nayak	Civil Engineering	Construction and Building Materials	2019		https://doi.org/10.1016/j.conbuildmat.2019.07.304	SCIE	
Bond, durability and microstructural characteristics of ground granulated blast furnace slag based recycled aggregate concrete	R. K. Majhi, A.N. Nayak	Civil Engineering	Construction and Building Materials	2019		https://doi.org/10.1016/j.conbuildmat.2019.04.017	SCIE	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Development of sustainable lightweight concrete using fly ash cenosphere and sintered fly ash aggregate	H.P. Satpathy, S.K Patel, A.N Nayak	Civil Engineering	Construction and Building Materials	2019		https://doi.org/10.1016/j.conbuildmat.2019.01.034		SCIE	
Properties of Concrete Incorporating Coal Fly Ash and Coal Bottom Ash	R. K. Majhi, A.N. Nayak	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2019		https://doi.org/10.1007/s40030-019-00374-y		Scopus	
Development of sustainable concrete using recycled coarse aggregate and ground granulated blast furnace slag	R. K. Majhi, A.N. Nayak, B. B. Mukharjee	Civil Engineering	Construction and Building Materials	2018		https://doi.org/10.1016/j.conbuildmat.2017.10.118		SCIE	
Strengthening of RC beams using externally bonded fibre reinforced polymer composites	A.N Nayak, A. Kumari, R.B. Swain	Civil Engineering	Structures	2018		https://doi.org/10.1016/j.istruc.2018.03.004		SCIE	
Free vibration Characteristics of Stiffened plates	A.N. Nayak, L. Satpathy, P.K Tripathy	Civil Engineering	International Journal of Advanced Structural Engineering	2018		https://doi.org/10.1007/s40091-018-0189-x		Scopus	
Shear strengthening of RC deep beam using externally bonded GFRP fabrics.	A. Kumari, S.S. Patel, A.N. Nayak	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2018		https://doi.org/10.1007/s40030-018-0272-0		Scopus	
State-of-the-Art Review on Strength Performance of Soil Treated with Silica Nanoparticles	J. Munda, S. Mohanty	Civil Engineering	Indian geotechnical journal	2024		https://doi.org/10.1007/s40098-024-00868-y		Scopus	
Effects of water cooled ferrochrome slag as fine aggregate on the properties of concrete	Manoj K. Dash, Sanjaya K. Patro	Civil Engineering	Construction and Building Materials	2018	Volume 177, 20 July	https://doi.org/10.1016/j.conbuildmat.2018.05.079		SCI	
Structural behaviour of reinforced concrete beams made with ferrochrome slag as coarse aggregate	Prusty, J.K., Patro, S.K. & Mohanty, T.	Civil Engineering	KSCE Journal of Civil Engineering	2018	Volume 22, PP 696-70	https://doi.org/10.1007/s12205-017-1294-2		SCI	
Effect of Aspect Ratio of Fiber in HDPE Reinforced Concrete	M M Rao, LN Chowhan, S K Patro	Civil Engineering	International Journal of Engineering Research and Technology						
Evaluation of graded layer in ground granulated blast furnace slag based layered concrete	S K Sahoo, B G Mohapatra, S K Patro, P K Acharya	Civil Engineering	Construction and Building Materials	2022	Volume 276, 122218	https://doi.org/10.1016/j.conbuildmat.2020.122218		SCI	
The role of graphene and its derivatives in modifying different phases of geopolymer composites: A review	RS Krishna, Jyotirmoy Mishra, Bharadwaj Nanda, Sanjaya Kumar Patro, Adeniji Adetayo, Tanvir S Qureshi	Civil Engineering	Construction and Building Materials	2021	Volume 306, 1 November	https://doi.org/10.1016/j.conbuildmat.2021.124774		SCI	
Impact of elevated temperature on strength and micro-structural properties of concrete containing water-cooled ferrochrome slag as fine aggregate	Manoj K Dash, Sanjaya K Patro, Prasanna K Acharya, Mayuresh Dash	Civil Engineering	Construction and Building Materials	2022	Volume 323, 14 March	https://doi.org/10.1016/j.conbuildmat.2022.126542		SCI	
Sustainable Fly Ash Based Geopolymer Binders: A Review on Compressive Strength and Microstructure Properties	J Mishra, B Nanda, S K Patro, RS Krishna	Civil Engineering	Sustainability	2022	14(22), 15062	https://doi.org/10.3390/su142215062		SCI	
Strength and Microstructural Characterization of Ferrochrome Ash- and Ground Granulated Blast Furnace Slag-Based Geopolymer Concrete.	Mishra, J., Nanda, B., Patro, S.K	Civil Engineering	Journal of Sustainable Metallurgy	2022	8, 156–169	https://doi.org/10.1007/s40831-021-00469-6		SCI	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
Influence of ferrochrome ash on mechanical and microstructure properties of ambient cured fly ash-based geopolymer concrete	J Mishra, B Nanda, S K Patro, S K Das, S M Mustakim	Civil Engineering	Journal of Material Cycles and Waste Management	2022	Volume 24, pages 10	https://doi.org/10.1007/s10163-022-01381-1				SCI
Mechanical and Post-Cracking Performance of Recycled High Density Polyethylene Fiber Reinforced Concrete	Rao, M.M., Patro, S.K. & Basarkar, S.S.	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2022	Volume 103, pages 5	https://doi.org/10.1007/s40030-022-00625-5				
Prediction of compressive strength of geopolymer concrete using a hybrid ensemble of grey wolf optimized machine learning estimators	S K Parhi, S K Patro	Civil Engineering	Journal of Building Engineering	2023	Volume 71, 106521	https://doi.org/10.1016/j.jobe.2023.106521				SCI
Evolutionary optimization of machine learning algorithm hyperparameters for strength prediction of high-performance concrete	Singh, S., Patro, S.K. & Parhi, S.K.	Civil Engineering	Asian Journal of Civil Engineering	2023	Volume 24, pages 31	https://doi.org/10.1007/s42107-023-00698-y				SCI
Evaluation of environmental disturbance indicator using functional performance and life cycle assessment of ferrochrome waste concrete	P K Acharya, S K Patro	Civil Engineering	Journal of Building Engineering	2023	Volume 65, 105788	https://doi.org/10.1016/j.jobe.2022.105788				SCI
Influence of chemical constituents of binder and activator in predicting compressive strength of fly ash-based geopolymer concrete using firefly-optimized hybrid ensemble machine learning model	P K Dash, S K Parhi, S K Patro, R Panigrahi	Civil Engineering	Materials Today Communications	2023	Volume 37, 107485	https://doi.org/10.1016/j.mtcomm.2023.107485				SCI
Efficient machine learning algorithm with enhanced cat swarm optimization for prediction of compressive strength of GGBS-based geopolymer concrete at elevated temperature	P K Dash, S K Parhi, S K Patro, R Panigrahi	Civil Engineering	Construction and Building Materials	2023	Volume 400, 132814	https://doi.org/10.1016/j.conbuildmat.2023.132814				SCI
Effectiveness of rice husk ash-derived alkali activator in fresh, mechanical, and microstructure properties of geopolymer mortar at ambient temperature curing	S K Das, N Behera, S K Patro, S M Mustakim, Y Suda, N Leklou	Civil Engineering	Journal of Sustainable Cement-Based Materials	2023	Pages 213-221	https://doi.org/10.1080/21650373.2023.2262465				SCI
Evaluation of Functional, Microstructural, Environmental Impact, and Economic Performance of Concrete Utilizing Ferrochrome Ash and Slag	Acharya, P.K., Patro, S.K.	Civil Engineering	Journal of Sustainable Metallurgy	2022	Volume 8, pages 157	https://doi.org/10.1007/s40831-022-00587-9				SCI
Model updating using causal information: a case study in coupled slab	Tiwary, K., Patro, S.K., Gandomi, A. H.	Civil Engineering	Structural and Multidisciplinary Optimization	2022	Volume 65, article number	https://doi.org/10.1007/s00158-021-03166-w				SCI
Strength, Wear-Resistance, Degree of Hydration, Energy and Carbon Performance of Concrete Using Ferrochrome Waste Materials.	Acharya, P.K., Patro, S.K.	Civil Engineering	Iranian Journal of Science and Technology, Transaction	2023	Volume 48, pages 35	https://doi.org/10.1007/s40996-023-01310-8				SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Durability Properties of Ambient Cured Geopolymer Mortar Made from Rice Husk Ash-Based Alkali Activator: A Comparative Study with Conventional Alkali Activator	S K Das, M K Nayak, S K Patro, Y Suda	Civil Engineering	Advances in Civil Engineering Materials	2023				Scopus
Seismic design of reinforced concrete buildings equipped with viscous dampers using simplified performance-based approach	Sima S. Ijmulwar, Sanjaya Kumar Patro	Civil Engineering	Structures	2024	Volume 61, 106020	https://doi.org/10.1016/j.istruc.2024.106020		SCI
Compressive strength prediction of PET fiber-reinforced concrete using Dolphin echolocation optimized decision tree-based machine learning algorithms.	Parhi, S.K., Patro, S.K.	Civil Engineering	Asian Journal of Civil Engineering	2023	Volume 25, pages 978	https://doi.org/10.1007/s42107-023-00826-8		SCI
A comprehensive review on compressive strength and microstructure properties of GGBS-based geopolymer binder systems	J Mishra, B Nanda, S K Patro, RS Krishna	Civil Engineering	Construction and Building Materials	2024	Volume 417, 135242	https://doi.org/10.1016/j.conbuildmat.2024.135242		SCI
Application of R-curve, ANCOVA, and RSM techniques on fracture toughness enhancement in PET fiber-reinforced concrete	Suraj Kumar Parhi, Sanjaya Kumar Patro	Civil Engineering	Construction and Building Materials	2024	111, 12 January 2024	https://doi.org/10.1016/j.conbuildmat.2023.134644		SCI
Performance assessment of ferrochrome slag as partial replacement of fine aggregate in concrete	Manoj Kumar Dash, Sanjaya Kumar Patro	Civil Engineering	European Journal of Environmental and Civil Engineering	2021	Volume 25, Pages 635-65	https://doi.org/10.1080/19648189.2018.1539674		SCI
Behavior of ferrochrome sand in the fresh characteristics of GGBFS-fly ash-based self-compacting geopolymer concrete	R Das, S Panda, S K Panigrahi	Civil Engineering	SPRINGER PROCEEDING	2023	yet to get			scopus
Impact of alkali activator types on fresh properties of GGBFS-based Self-Compacting Geopolymer Concrete under ambient temperature	J Pradhan, S Panda, S K Panigrahi	Civil Engineering	SPRINGER PROCEEDING	2023	yet to get			scopus
Influence of different Curing Conditions on Properties of Self-Compacting Geopolymer Concrete	D R Mohapatra, S Panda, R Sahu, S K Panigrahi	Civil Engineering	SPRINGER PROCEEDING	2023	yet to get			scopus
Influence of GGBFS-based blended precursor on fresh properties of self-compacting geopolymer concrete under ambient temperature	Pradhan J, Panda S, Mandal R K, Panigrahi S K	Civil Engineering	Materials Today: Proceedings	2023		https://doi.org/10.1016/j.matpr.2023.06.338		scopus
Effect of superplasticizer types and dosage on the flow characteristics of GGBFS based self-compacting geopolymer concrete	Das R, Panda S, Sahoo A S, Panigrahi S K	Civil Engineering	Materials Today: Proceedings	2023		https://doi.org/10.1016/j.matpr.2023.06.339		scopus
Effect of critical parameters on the fresh properties of Self Compacting geopolymer concrete	Pradhan P, Panda S, Parhi S K, Panigrahi S K	Civil Engineering	Materials Today: Proceedings	2022		https://doi.org/10.1016/j.matpr.2022.02.506		scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Variation in fresh and mechanical properties of GGBFS based self-compacting geopolymer concrete in the presence of NCA and RCA	Pradhan P, Panda S, Parhi S K, Panigrahi S K	Civil Engineering	Materials Today: Proceedings	2022		https://doi.org/10.1016/j.matpr.2022.03.337	scopus	
Application of ANN for evaluating WMA marshall parameters	Behera H K, Das S, S, Giri D, Panigrahi S K	Civil Engineering	Materials Today: Proceedings	2022		https://doi.org/10.1016/j.matpr.2022.04.759	scopus	
Assessment of Water Quality of Mahanadi Basin using Statistical and Wavelet Techniques	Mohanty L, Panigrahi S K, Patnaik M	Civil Engineering	Materials Today: Proceedings	2022		https://doi.org/10.1016/j.matpr.2022.03.381	scopus	
Gumbel-Hougaard Copula based tetravariate flood frequency analysis for the Hirakud reservoir catchment	Padhee, R.B, Kar , A.K., and Das, P.K	Civil Engineering	ISH Journal of Hydraulic Engineering	2022	28-4, pp.430-437			
Scour at the downstream of Ghatakeswar spillway using non-cohesive hydraulic model	Behera, J, Kar, A.K. and Khamari, A.	Civil Engineering	ISH Journal of Hydraulic Engineering		28-4	28-4pp. 461-471		
Bivariate flood analysis a case study of Hirakud inflow	Padhee, R.B, Kar , A.K., and Das, P.K	Civil Engineering	International Journal of Hydrology science and Techn	2022	14-4, pp.390-405			
Identification of flood vulnerable zones in Mahanadi delta ased on post-Hirakud data	Kar, A.K, Gupta, K.K., Jena, J and Jena, D.R	Civil Engineering	International journal of Water					
River mouth shifting and shore line change analysis of Mangala river mouth of Puri coastline	Mishra, D and Kar, A.K.	Civil Engineering	Natural Hazards	2023	118(3), 2019-2036			
Energy efficient reliable multi-path data transmission in WSN for healthcare application	P Mohanty, MR Kabat	Computer Science and Eng	International journal of wireless Information Network	2016	1068-9605 (print) 15	https://www.springer.com/journal/10776	https://link.springer.com/article/10.1007/s10776-016-0307-2	Scopus
Energy efficient structure-free data aggregation and delivery in WSN	P Mohanty, MR Kabat	Computer Science and Eng	Egyptian Informatics Journal	2016	1110-8665 (print), 20	https://www.sciencedirect.com/journal/egyptian-informatics-journal/vol/17/issue/3	https://www.sciencedirect.com/science/article/pii/S1110866516000050	Science Citation Index Expanded
SQLiGoT: Detecting SQL Injection Attacks using Graph of Tokens and SVM	D. Kar, S. Panigrahi, and S. Sundararajan	Computer Science and Eng	Computers & Security, Elsevier	2016	0167-4048	https://drive.google.com/drive/folders/1YG2kDRiXFom9nMbV2iFCBPAxwuoqzBi0?usp=drive_link	https://www.sciencedirect.com/science/article/pii/S0167404816300451	Scopus, SCI Expanded
Use of optimized Fuzzy C-Means Clustering and supervised classifiers for automobile insurance fraud detection	S. Subudhi, S. Panigrahi	Computer Science and Eng	Journal of King Saud University - Computer and Inform	2020	1319-1578	https://drive.google.com/drive/folders/1YG2kDRiXFom9nMbV2iFCBPAxwuoqzBi0?usp=drive_link	https://www.sciencedirect.com/science/article/pii/S1319157817301672	Scopus, SCI Expanded
A Quadrigeminal Scheme based on Event Reporting Scalar Premier Selection for Camera Actuation in Wireless Multimedia Sensor Networks	S. B. B. Priyadarshini, S. Panigrahi	Computer Science and Eng	Journal of King Saud University: Engineering Sciences,	2019	1018-3639	https://drive.google.com/drive/folders/1YG2kDRiXFom9nMbV2iFCBPAxwuoqzBi0?usp=drive_link	https://www.sciencedirect.com/science/article/pii/S1018363917301228	Scopus
A Novel Approach Using Optimum Camera Actuation in Event Boundary Detection Method for Redundant Data Minimization	S. B. B. Priyadarshini, S. Panigrahi	Computer Science and Eng	Ain Shams Engineering Journal, Elsevier	2018	2090-4479	https://drive.google.com/drive/folders/1YG2kDRiXFom9nMbV2iFCBPAxwuoqzBi0?usp=drive_link	https://www.sciencedirect.com/science/article/pii/S209044791630051X	Scopus, SCI Expanded

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
SQLiDDS: SQL Injection Detection using Document Similarity Measure	D. Kar, S. Panigrahi and S. Sundararajan	Computer Science and Eng	Journal of Computer Security, IOS Press	2016	ISSN print 0926-227X ISSN online 1875-8924	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://content.iospress.com/articles/journal-of-computer-security/jcs554	Scopus, Web of Science: Emerging SCI (ESCI)
Application of OPTICS and Ensemble Learning for Database Intrusion Detection	S. Subudhi, S. Panigrahi	Computer Science and Eng	Journal of King Saud University - Computer and Inform	2019	1319-1578	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://www.sciencedirect.com/science/article/pii/S131915781831108X	Scopus, SCI Expanded
Two-stage Automobile Insurance Fraud Detection by Using Optimized Fuzzy C-Means Clustering and Supervised Learning	S. Subudhi, S. Panigrahi	Computer Science and Eng	International Journal of Information Security and Priv	2020	ISSN: 1930-1650 EISS	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://www.igi-global.com/article/two-stage-automobile-insurance-fraud-detection-by-using-optimized-fuzzy-c-means-clustering-and-supervised-learning/256566	Scopus, Emerging SCI (ESCI)
Creating More Efficient Distributed Cameras: A Distributed Multievent Ensnaring Scheme Based on Scalar Leader Determination	S. B. B. Priyadarshini, S. Panigrahi	Computer Science and Eng	IEEE Consumer Electronics Magazine, IEEE	2018	Print ISSN: 2162-224 Electronic ISSN: 216	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://ieeexplore.ieee.org/abstract/document/8429939	Scopus
Use of Fuzzy Clustering and Support Vector Machine for Detecting Fraud in Mobile Telecommunication Networks	S. Subudhi, S. Panigrahi	Computer Science and Eng	International Journal of Security and Networks (USN),	2016	Print ISSN: 1747-840	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://www.inderscienceonline.com/doi/abs/10.1504/IJSN.2016.075069	Scopus (Elsevier)
Role Based Profiling using Fuzzy Adaptive Resonance Theory for Securing Database Systems	A. Brahma, S. Panigrahi	Computer Science and Eng	International Journal of Applied Metaheuristic Compu	2021	ISSN: 1947-8283 EIS	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://www.igi-global.com/article/role-based-profiling-using-fuzzy-adaptive-resonance-theory-for-securing-database-systems/274309	Scopus, Web of Science: Emerging SCI (ESCI)
Rule-based Database Intrusion Detection using Coactive Artificial Neuro-Fuzzy Inference System and Genetic Algorithm	A. Brahma, S. Panigrahi	Computer Science and Eng	International Journal Business Intelligence and Data M	2021	ISSN online 1743-8195 ISSN print 1743-8187	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link Accepted in July 2021	Scopus (Elsevier)
A Hybrid Multi-criteria decision making algorithm for cloud service selection	M.Saha, S.K. Panda, S. Panigrahi	Computer Science and Eng	International Journal of Information Technology, Sprin	2021	Electronic ISSN 2511-2112 Print ISSN 2511-2104	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://link.springer.com/article/10.1007/s41870-021-00716-9	Scopus
A Hybrid Mobile Call Fraud Detection Model using Optimized Fuzzy C-Means Clustering and Group Method of Data Handling-based Network	S. Subudhi, S. Panigrahi	Computer Science and Eng	Vietnam Journal of Computer Science, World Scientifi	2018	ISSN (print): 2196-88	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://link.springer.com/article/10.1007/s40595-018-0116-x	UGC Care Listed
Redundant Data Minimization Using Hexagonal Scalar Premier Neighbourhood for Optimum Camera Actuation Scheme	S. B. B. Priyadarshini, S. Panigrahi	Computer Science and Eng	The Journal of Engineering, IET	2016	Online ISSN 2051-3305	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://ieeexplore.ieee.org/iel7/7864294/8415896/08415904.pdf	Emerging SCI (ESCI)
A Distributed Scalar Controller Selection Scheme for Redundant Data Elimination in Sensor Networks	S. B. B. Priyadarshini, S. Panigrahi	Computer Science and Eng	International Journal of Knowledge Discovery in Bioin	2017	ISSN: 1947-9115 EISS	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://www.igi-global.com/article/a-distributed-scalar-controller-selection-scheme-for-redundant-data-elimination-in-sensor-networks/178609	UGC Care Listed
Detection of Mobile Phone Fraud Detection System Using Possibilistic Fuzzy C-Means Clustering and Hidden Markov Model	S. Subudhi, S. Panigrahi and T. K. Behera	Computer Science and Eng	International Journal of Synthetic Emotions (IUSE), IGI	2016	ISSN: 1947-9093 EISS	https://drive.google.com/drive/folders/1YG2kDRiXEom9nMbV2iFCBPAxwouozBi0?usp=drive_link https://www.igi-global.com/article/detection-of-mobile-phone-fraud-using-possibilistic-fuzzy-c-means-clustering-and-hidden-markov-model/178519	UGC Care Listed

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Detection of Automobile Insurance Fraud using Feature Selection and Data Mining Techniques	S. Subudhi, S. Panigrahi	Computer Science and Eng	International Journal of Rough Sets and Data Analysis	2018	ISSN: 2334-4598 EISSN: 2334-4598	https://drive.google.com/drive/folders/1YG2kDRjXEom9nMbV2IFCBPAxwouqzBIO?usp=drive_link	https://www.igi-global.com/article/detection-of-automobile-insurance-fraud-using-feature-selection-and-data-mining-techniques/206874	UGC Care Listed
Hybridization of meta-heuristic algorithm for load balancing in cloud computing environment	U. K Jena, P. K Das, MR Kabat	Computer Science and Eng	Journal of King Saud University-Computer and Inform	2020	ISSN: 2213-1248, EISSN: 2213-1248	https://www.journals.elsevier.com/journal-of-king-saud-university-computer-and-information-sciences	https://www.sciencedirect.com/science/article/pii/S1319157819309267	
An energy efficient advertisement based multichannel distributed MAC protocol for wireless sensor networks (Adv-MMAC)	R.R Swain, S Mishra, T. K Samal, M. R Kabat	Computer Science and Eng	Wireless Personal Communications	2017	ISSN: 0929-6212 (print)	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-016-3791-x	Science Citation Index Expanded
Cooperative navigation planning of multiple mobile robots using improved krill herd	D. C Rao, M. R Kabat, P. K Das, P.K Jena	Computer Science and Eng	Arabian Journal for Science and Engineering	2018	ISSN: 2191-4281, 2191-4281	https://www.springer.com/journal/13369	https://link.springer.com/article/10.1007/s13369-018-3216-0	Science Citation Index Expanded
Hybrid IWD-DE: a novel approach to model cooperative navigation planning for multi-robot in unknown dynamic environment	D. C Rao, M. R Kabat, P. K Das, P.K Jena	Computer Science and Eng	Journal of Bionic Engineering	2019	ISSN: 1672-6529	https://ouci.dntb.gov.ua/en/works/7ArxPPk4/	https://ouci.dntb.gov.ua/en/works/7ArxPPk4/	Science Citation Index Expanded
An adaptive cuckoo search based algorithm for placement of relay nodes in wireless body area networks	TK Samal, SC Patra, MR Kabat	Computer Science and Eng	Journal of King Saud University-Computer and Inform	2019	ISSN: 2213-1248, EISSN: 2213-1248	https://www.journals.elsevier.com/journal-of-king-saud-university-computer-and-information-sciences	https://www.sciencedirect.com/science/article/pii/S1319157819305804	Science Citation Index Expanded
A Reference-Based Multiobjective Bacteria Foraging Optimization Technique for QoS Multicast Routing.	SP Sahoo, S Nayak, MR Kabat	Computer Science and Eng	Arabian Journal for Science & Engineering	2018	ISSN: 2191-4281, 2191-4281	https://www.springer.com/journal/13369	https://web.a.ebscohost.com/abstract	Science Citation Index Expanded
System reliability estimation of constrained multi-state computational grids	D Das, C. R Tripathy, P. K Tripathy, M. R Kabat.	Computer Science and Eng	International Journal of Information Technology	2019		https://www.springer.com/journal/41870	https://link.springer.com/article/10.1007/s41870-018-0132-1	Science Citation Index Expanded
The multi-constrained multicast routing improved by hybrid bacteria foraging-particle swarm optimization	SP Sahoo, MR Kabat	Computer Science and Eng	Computer Science	2019	ISSN: 1508-2806 EISSN: 1508-2806	https://journals.agh.edu.pl/csci	http://yadda.icm.edu.pl/yadda/element/bwmeta1.element/baztech-2fd1967e-6c7b-458e-90a9-b854f634da1a	
Estimation of Fractal Dimension in Different color model	S. Kisan, S. N. Mishra, A. Chawda, S. Nayak	Computer Science and Eng	International Journal of Knowledge Discovery in Bioin	2018	ISSN: 1947-9115 EISSN: 1947-9115	https://www.igi-global.com/journal/international-journal-knowledge-discovery-bioinformatics/1143	https://www.igi-global.com/article/estimation-of-fractal-dimension-in-different-color-model/202365	UGC Care Listed
A genetic algorithm based approach for designing multi-state computational Grid with cost and bandwidth constraints	D Das, C. R Tripathy, P. K Tripathy, M. R Kabat	Computer Science and Eng	Journal of King Saud University-Computer and Inform	2018	ISSN: 2213-1248, EISSN: 2213-1248	https://www.journals.elsevier.com/journal-of-king-saud-university-computer-and-information-sciences	https://www.sciencedirect.com/science/article/pii/S1319157818305275	
Face Shape Classification based on Modified Relative Improved Differential Box Count Method	S. Kisan, S. Nayak, A. Chawda, S.N. Mishra	Computer Science and Eng	International Journal of Advanced Science and Techno	2020	ISSN: 2005-4238 (Print)	http://sersc.org/journals/index.php/ijast	http://sersc.org/journals/index.php/ijast/article/view/5142	Scopus
Multi-robot cooperation and performance analysis with particle swarm optimization variants	B Sahu, P. K Das, M. R Kabat, R Kumar	Computer Science and Eng	Multimedia Tools and Applications	2021	ISSN: 1380-7501, 1427-4006	https://www.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-021-10986-x	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
Hybridized Machine Learning based Fractal Analysis Techniques for Breast Cancer Classification	M. Swain, S.Kisan, J.M. Chattarjee, M.Supramaniam, S. Mohanty,	Computer Science and Eng	International Journal of Advanced Computer Science	2020	2156-5570 (Online) 2158	https://thesai.org/Publications/IJACS	https://thesai.org/Publications/ViewPaper?Volume=11&Issue=10&Code=IJACS&SerialNo=24
Prevention of Covid-19 affected patient using multi robot cooperation and Q-learning approach: a solution	B Sahu, P. K Das, M. R Kabat, R Kumar	Computer Science and Eng	Quality & Quantity	2021	ISSN: 0033-5177, 15	https://www.springer.com/journal/11135	https://link.springer.com/article/10.1007/s11135-021-01155-1
A prioritized traffic scheduling with load balancing in wireless body area networks	T Samal, M. R Kabat	Computer Science and Eng	Journal of King Saud University-Computer and Inform	2021	ISSN: 2213-1248, EIS	https://www.journals.elsevier.com/journal-of-king-saud-university-computer-and-information-sciences	https://www.sciencedirect.com/science/article/pii/S1319157821000094
Detection of Violence in Videos using Hybrid Machine Learning Techniques	S. Kisan, B. Sahu, A. Jena, S. N. Mohanty	Computer Science and Eng	International Journal of Advanced Science and Techno	2020	2005-4238 (Print) 22	http://sersc.org/journals/index.php/ijast	http://sersc.org/journals/index.php/ijast/article/view/6040
Optimal cluster analysis using hybrid K-Means and Ant Lion Optimizer	Santosh Kumar Majhi, Shubhra Biswal	Computer Science and Eng	Karbala International Journal of Modern Science	2018	2405-609X	https://www.sciencedirect.com/journal/karbala-international-journal-of-modern-science	https://www.sciencedirect.com/science/article/pii/S2405609X18302148
Optimal fractional order PID controller design using Ant Lion Optimizer	Rosy Pradhan, Santosh Kumar Majhi, Jatin Kumar Pradhan, Bibhuti BhusanPati	Computer Science and Eng	Ain Shams Engineering Journal	2019	2090-4479	https://www.sciencedirect.com/journal/ain-shams-engineering-journal	https://www.sciencedirect.com/science/article/pii/S2090447919301418
Fuzzy clustering using salp swarm algorithm for automobile insurance fraud detection	Majhi, Santosh Kumar; * Bhatachharya, Subho Pradhan, Rosy Biswal, Shubhra	Computer Science and Eng	Journal of Intelligent & Fuzzy Systems	2019	1064-1246	https://www.iospress.nl/journal/journal-of-intelligent-fuzzy-systems/	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs169944
Improved spotted hyena optimizer with space transformational search for training pi-sigma higher order neural network	Nibedan Panda, Santosh Kumar Majhi	Computer Science and Eng	Computational Intelligence	2020	1467-8640	https://onlinelibrary.wiley.com/journal/14678640	https://onlinelibrary.wiley.com/doi/abs/10.1111/coim.12272
Improved Salp Swarm Algorithm with Space Transformation Search for Training Neural Network	Nibedan Panda & Santosh Kumar Majhi	Computer Science and Eng	Arabian Journal for Science and Engineering volume	2019	2193-567X	https://www.springer.com/journal/13369	https://link.springer.com/article/10.1007/s13369-019-04132-x
An Efficient Feed Forward Network Model with Sine Cosine Algorithm for Breast Cancer Classification	Santosh Kumar Majhi	Computer Science and Eng	International Journal of System Dynamics Application	2018	2160-9772	https://www.igi-global.com/journal/international-journal-system-dynamics-applications/51803	https://www.igi-global.com/article/an-efficient-feed-forward-network-model-with-sine-cosine-algorithm-for-breast-cancer-classification/202397
Antlion optimizer tuned PID controller based on Bode ideal transfer function for automobile cruise control system	Rosy Pradhan Santosh Kumar Majhi Jatin Ku Pradhan Bibhuti Bhusan Pati	Computer Science and Eng	Journal of Industrial Information Integration	2018	2452-414X	https://www.sciencedirect.com/journal/journal-of-industrial-information-integration	https://www.sciencedirect.com/science/article/abs/pii/S2452414X17300055?casa_token=1XyRKRvGGUQAAAAA:Jh2X3pXd53ER2YHccOPbybm7Sb9iNZgb6bqg-YfjJZr22sVxa1gV5FQQp5FoZ5qeSpzt49fMIR_w
A chaotic salp swarm algorithm based on quadratic integrate and fire neural model for function optimization	Santosh Kumar Majhi, Abhilash Mishra & Rosy Pradhan	Computer Science and Eng	Progress in Artificial Intelligence	2019	2192-6352	https://www.springer.com/journal/13748	https://link.springer.com/article/10.1007/s13748-019-00184-0

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Design of PID controller for automatic voltage regulator system using Ant Lion Optimizer	Rosy Pradhan , Santosh Kumar Majhi , Bibhuti Bhusan Pati	Computer Science and Eng	World Journal of Engineering	2018	1708-5284	https://www.emerald.com/insight/publication/issn/1708-5284	https://www.emerald.com/insight/content/doi/10.1108/WJE-05-2017-0102/full/html	Scopus
Fuzzy clustering algorithm based on modified whale optimization algorithm for automobile insurance fraud detection	Santosh Kumar Majhi	Computer Science and Eng	Evolutionary Intelligence	2019	1864-5909	https://www.springer.com/journal/12065	https://link.springer.com/article/10.1007/s12065-019-00260-3	Scopus
A dynamic load scheduling in IaaS cloud using binary JAYA algorithm	Kaushik Mishra Jharashree Pati Santosh Kumar Majhi	Computer Science and Eng	Journal of King Saud University - Computer and Inform	2020	1319-1578	https://www.sciencedirect.com/journal/journal-of-king-saud-university-computer-and-information-sciences	https://www.sciencedirect.com/science/article/pii/S1319157820305772	SCI
Performance Evaluation of PID Controller for an Automobile Cruise Control System using Ant Lion Optimizer	Rosy Pradhan Santosh Kumar Majhi Jatin Kumar Pradhan Bibhuti Bhusan Pati	Computer Science and Eng	Engineering Journal	2017	0125-8281	https://www.engi.org/index.php/ej/index	https://www.engi.org/article/view/1580	Scopus
Oppositional Crow Search Algorithm with mutation operator for global optimization and application in designing FOPID controller	Santosh Kumar Majhi, Madhusmita Sahoo & Rosy Pradhan	Computer Science and Eng	Evolving Systems	2019	1868-6478	https://www.springer.com/journal/12530	https://link.springer.com/article/10.1007/s12530-019-09305-5	SCI
Oppositional spotted hyena optimizer with mutation operator for global optimization and application in training wavelet neural network	Panda, Nibedana; b Majhi, Santosh Kumar; * Singh, Sarishmac Khanna, Abhirupd	Computer Science and Eng	Journal of Intelligent & Fuzzy Systems	2020	1064-1246	https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs179746	SCI
A comprehensive survey of recent developments in neuronal communication and computational neuroscience	Abhilash Mishra Santosh Kumar Majhi	Computer Science and Eng	Journal of Industrial Information Integration	2018	2452-414X	https://www.sciencedirect.com/journal/journal-of-industrial-information-integration	https://www.sciencedirect.com/science/article/abs/pii/S2452414X18300463?casa_token=1EKY0_QkR9AAAAA:CCWtp29EX1b-Dp3f7e8VFLv3tjBtSimb1p2qBngu0j4kpgqYzLg_ORarMIis9JiilCLiM7png0Dww	SCI
A Study on Security Vulnerability on Cloud Platforms	Santosh Kumar Majhiab Sunil Kumar Dhalb	Computer Science and Eng	Procedia Computer Science	2016	1877-0509	https://www.sciencedirect.com/journal/procedia-computer-science	https://www.sciencedirect.com/science/article/pii/S1877050916000120	Scopus
Oppositional salp swarm algorithm with mutation operator for global optimization and application in training higher order neural networks	Nibedan Panda & Santosh Kumar Majhi	Computer Science and Eng	Multimedia Tools and Applications	2021	1380-7501	https://www.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-020-10304-x	SCI
MFOFLANN: moth flame optimized functional link artificial neural network for prediction of earthquake magnitude	Santosh Kumar Majhi, Sk Sajeed Hossain & Trilok Padhi	Computer Science and Eng	Evolving Systems	2019	1868-6478	https://www.springer.com/journal/12530	https://link.springer.com/article/10.1007/s12530-019-09293-6	SCI
Solving traveling salesman problem using hybridization of rider optimization and spotted hyena optimization algorithm	Madugula Murali Krishnaa NibedanPandab1 Santosh Kumar Majhia2	Computer Science and Eng	Expert Systems with Applications	2021	0957-4174	https://www.sciencedirect.com/journal/expert-systems-with-applications	https://www.sciencedirect.com/science/article/pii/S0957417421007818?casa_token=5I43pISibNEAAA:inMlbpkR2EAI3EUB-8oFmQL7LKh1oVMjPluzlUQEYX:Uk8OIew8ziAsqSef9IaWQ_NZ0R6YDejyWQ	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A space transformational crow search algorithm for optimization problems	Santosh Kumar Majhi, Madhusmita Sahoo & Rosy Pradhan	Computer Science and Eng	Evolutionary Intelligence	2019	1864-5909	https://www.springer.com/journal/12065	https://link.springer.com/article/10.1007/s12065-019-00294-7	Scopus
A binary Bird Swarm Optimization based load balancing algorithm for cloud computing environment	Kaushik Mishra and Santosh Kumar Majhi	Computer Science and Eng	Open Computer Science	2021	2299-1093	https://www.degruyter.com/journal/key/com/html	https://www.degruyter.com/document/doi/10.1515/comp-2020-0215/html	Scopus
Cyber Physical Systems & Public Utility in India: State of Art	Santosh Kumar Majhia Ganesh Patrab Sunil Kumar Dhalc	Computer Science and Eng	Procedia Computer Science	2016	1877-0509	https://www.sciencedirect.com/journal/procedia-computer-science	https://www.sciencedirect.com/science/article/pii/S1877050916000545	Scopus
Design of fractional order PID controller for heat flow system using hybrid particle swarm optimisation and gravitational search algorithm	Rosy Pradhan Santosh Kumar Majhi Bibhuti Bhusan Pati	Computer Science and Eng	International Journal of Computational Intelligence St	2019	1755-4977	https://www.inderscienceonline.com/loi/jcistudies	https://www.inderscienceonline.com/doi/abs/10.1504/IJCISTUDIES.2019.098016	UGC
Placement of Security Devices in Cloud Data Centre Network: Analysis and Implementation	Santosh Kumar Majhiab Sunil Kumar Dhalb	Computer Science and Eng	Procedia Computer Science	2016	1877-0509	https://www.sciencedirect.com/journal/procedia-computer-science	https://www.sciencedirect.com/science/article/pii/S1877050916000090	Scopus
QALO-MOR: Improved antlion optimizer based on quantum information theory for model order reduction	Pradhan, Rosya Khan, Mohammad Rafiqueb Sethy, Prabir Kumarc Majhi, Santosh Kumara	Computer Science and Eng	Journal of Intelligent & Fuzzy Systems	2021	1064-1246	https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs189894	SCI
Quantum-inspired binary chaotic salp swarm algorithm (QBCSSA)-based dynamic task scheduling for multiprocessor cloud computing systems	Kaushik Mishra, Rosy Pradhan & Santosh Kumar Majhi	Computer Science and Eng	The Journal of Supercomputing	2021	0920-8542	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-021-03695-7	SCI
An orthogonal moth flame optimization for global optimization and application to model order reduction problem	Pradhan, Rosya Majhi, Santosh Kumarb; * Jaypuria, Jemaranib	Computer Science and Eng	Journal of Intelligent & Fuzzy Systems	2020	1064-1246	https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs179744	SCI
MRMR-SSA: a hybrid approach for optimal feature selection	Monalisha Mahapatra, Santosh Kumar Majhi & Sunil Kumar Dhal	Computer Science and Eng	Evolutionary Intelligence	2021	1864-5909	https://www.springer.com/journal/12065	https://link.springer.com/article/10.1007/s12065-021-00608-8	Scopus
Supervised link prediction using structured-based feature extraction in social network	Anisha Kumari, R.K Behera, Kshira Sagar Sahoo, Anand Nayyar, Ashish Kumar Luhach, S.P Sahoo	Computer Science and Eng	Concurrency and Computation Practice and Experienc	2020		Supervised link prediction using structured-based feature extraction in social network	https://onlinelibrary.wiley.com/doi/abs/10.1002/cpe.5839	
Steganographic Technique Using Integer Wavelet Transform Domain	Sangita Biswal, Alina Dash	Computer Science and Eng	International Journal Of Research In Electronics And C	2018	ISSN: 2393-9028 (PR	http://www.i2or-jirece.com/	http://nebula.wsiing.com/e621a68effb4b3d0038da9e022a06251?AccessKeyId=DFB1BA3CED7E7997D5B1&disposition=0&allo worigin=1	UGC
Improving Pricing Intelligence by Multi-Modal Deep Learning Method	Ninad Madhab , Alina Dash	Computer Science and Eng	Psychology and Educaiton	2020	ISSN 1553 - 6939	http://psychologyandeducation.net/pae/		
Sentiment based Music Player using AFINN Dictionary and Javascrip	Shakti Prasad Mishra , Alina Dash	Computer Science and Eng	Psychology and Educaiton	2020	ISSN 1553 - 6939	http://psychologyandeducation.net/pae/	http://psychologyandeducation.net/pae/index.php/pae/article/view/5163	Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	DOI	Journal Category
Categorization of Common Pigmented Skin Lesions (CPSL) using Multi-Deep Features and Support Vector Machine	Santi Kumari Behera, Prabira Kumar Sethy	Computer Science and Engine	Journal of Digital Imaging	2022	ISSN 0897-1889 / 1618	https://www.springer.com/journal/10278/aims-and-scope	DOI : 10.1007/s10278-022-00632-9	SCI
Hyperspectral Imagery Applications for Precision Agriculture: A Systemic Survey	Chanki Pandey, Yogesh Kumar Sahu, Prabira Kumar Sethy, Santi Kumari Behera	Computer Science and Engine	Multimedia Tools and Applications, Springer	2021	ISSN 1380-7501, 1573-	https://www.springer.com/journal/11042	DOI : 10.1007/s11042-021-11729-8	SCI
Automatic Classification with Concatenation of Deep and Handcrafted Features of Histological Images for Breast Carcinoma Diagnosis	Santi Kumari Behera, Prabira Kumar Sethy	Computer Science and Engine	Multimedia Tools and Applications, Springer	2021	ISSN 1380-7501, 1573-	https://www.springer.com/journal/11042	DOI:10.1007/s11042-021-11756-5	SCI
A Data Constrained Approach for Brain Tumour Detection using Fused Deep Features and SVM	Santi Kumari Behera, Prabira Kumar Sethy	Computer Science and Engine	Multimedia Tools and Applications, Springer	2021	ISSN 1380-7501, 1573-	https://www.springer.com/journal/11042	DOI: 10.1007/s11042-021-11098-2	SCI
Rule-based Database Intrusion Detection using Coactive Artificial Neuro-Fuzzy Inference System and Genetic Algorithm	A Brahma, S Panigrahi, N Samal, D Gountia	Computer Science and Engine	International Journal Business Intelligence and Data M	2022	ISSN: 1743-8187	https://drive.google.com/drive/folders/1yG2kDRIXEom9nMbV2lFCBPAxwuoazBIO?usp=drive_link	https://doi.org/10.1504/IJBIDM.2022.123817	Scopus
An efficient composite cloud service model using multi-criteria decision-making techniques	M. Saha, S. K. Panda, S. Panigrahi and D. Taniar	Computer Science and Engine	The Journal of Supercomputing, Springer	2023	ISSN: 0920-8542	https://drive.google.com/drive/folders/1yG2kDRIXEom9nMbV2lFCBPAxwuoazBIO?usp=drive_link	https://doi.org/10.1007/s11227-022-05013-1	SCI
Computer intelligence-based fruit grading: A review	Ratha, A.K., Barpanda, N.K., Sethy, P.K., Sharada, G., Behera, S.K	Computer Science and Engine	Revue d'Intelligence Artificielle	2023		https://drive.google.com/drive/folders/1Du6CyqaALbdlb-ibp71uDAEmrI8B9ZuB?usp=drive_link	https://doi.org/10.18280/ria.370223	Scopus
Papaya fruit maturity estimation using Wavelet and ConvNET.	Ratha, A.K., Barpanda, N.K., Sethy, P.K., Behera, S.K.	Computer Science and Engine	Ingénierie des Systèmes d'Information	2023		https://drive.google.com/drive/folders/1Du6CyqaALbdlb-ibp71uDAEmrI8B9ZuB?usp=drive_link	https://doi.org/10.18280/isi.280119	Scopus
A Systematic Review of Citrus Disease Perceptions and Fruit Grading Using Machine Vision. International Conference on Machine Learning and Data Engineering	Shantilata Palei, Santi Kumari Behera*, Prabira Kumar Sethy	Computer Science and Engine	Procedia Computer Science, Elsevier	2022		https://drive.google.com/drive/folders/1Du6CyqaALbdlb-ibp71uDAEmrI8B9ZuB?usp=drive_link	https://doi.org/10.1016/j.procs.2023.01.225	Scopus
An in-depth and contrasting survey of meta-heuristic approaches with classical feature selection techniques specific to cervical cancer	Sangeeta Kurman, Sumitra Kisan	Computer Science and Engine	Knowledge and Information Systems	2022	ISSN: 0219-1377	https://drive.google.com/drive/folders/13qnHSv-E7Rca8n7lck90krMjSjHITCFS2usp=drive_link	https://doi.org/10.1007/s10115-022-01825-y	SCI
Gray Medical Image Compression Using Fractal Concepts	B.Senapati, S.Kisan, S.P. Biswal and A. Pattanaik	Computer Science and Engine	International Journal of Scientific Research in Comput	2018	ISSN : 2456-3307	https://drive.google.com/drive/folders/13qnHSv-E7Rca8n7lck90krMjSjHITCFS2usp=drive_link	https://ijsrceit.com/CSEIT1833280	UGC
Analysis of Tumor using Fractal Dimension	S. Kisan, S. N. Mishra, D. Mishra	Computer Science and Engine	Analysis of Tumor using Fractal Dimension". Internatic	2017	ISSN : 2321-4546	https://drive.google.com/drive/folders/13qnHSv-E7Rca8n7lck90krMjSjHITCFS2usp=drive_link		Scopus
Removal of Digital Envelopes in SET Protocol Using Diffie-Hellmann Key Exchange Algorithm	Sachin Tripathi, Sumitra Kisan	Computer Science and Engine	Proceedings of the World Congress on Engineering	2012	ISBN: 978-988-19251-3	https://drive.google.com/drive/folders/13qnHSv-E7Rca8n7lck90krMjSjHITCFS2usp=drive_link		Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A QR Code Based Robust Digital Watermarking Technique	Alina Dash, Kshiramani Naik	Computer Science and Engine	Wesleyan Journal of Research	2021				UGC
Decentralized Cryptocurrency Exchange on Ethereum Blockchain	Alina Dash, Kshiramani Naik	Computer Science and Engine	Wesleyan Journal of Research	2021				UGC
Prediction of link evolution using community detection in social network	Anisha Kumari, Ranjan Kumar Behera, Bibudatta Sahoo, Satya Prakash Sahoo	Computer Science and Engine	Computing	2022	1077-1098	https://www.springer.com/journal/607/	https://doi.org/10.1007/s00607-021-01035-4	SCI
An intelligent fractional-order system for the biological parameters regulations	Tapaswini Sahu, Madhab Chandra Tripathy, Satya Prakash Sahoo	Computer Science and Engine	International Journal of Dynamics and Control	2023	1880-1894	https://www.springer.com/journal/40435/	https://doi.org/10.1007/s40435-022-01088-z	Scopus
Sustainable remote patient monitoring in wireless body area network with Multi-hop routing and scheduling: a four-fold objective based optimization approach	Rasmita Kumari Mohanty, Satya Prakash Sahoo, Manas Ranjan Kabat	Computer Science and Engine	Wireless Networks	2023	2337-2351	https://www.springer.com/journal/11276/	https://doi.org/10.1007/s11276-023-03276-x https://doi.org/10.1007/s11276-023-03276-x https://doi.org/10.1007/s11276-023-03276-x	SCI
Resource Allocation by Multicolouring using different graph traversal methods	Alina Mishra	Computer Science and Engine	International journal of research and analytical review	2019	2348-1269	http://www.iirar.org/papers/IJRAR19K8976		Scopus
Design and Modeling of MEMS based Trace-level Moisture Measurement System for GIS Applications in Smart Grid Environment	Yashdeep, Gyan Ranjan Biswal, T. Choudhury, T. Islam, S. C. Mukhopadhyay, and V. Vashisht	EEE	IEEE Sensors Journal	2017		DOI: 10.1109/JSEN.2017.2721741	https://ieeexplore.ieee.org/do	Web of Science
Low voltage ride through capability enhancement in a grid-connected wind/fuel cell hybrid system via combined feed-forward and fuzzy logic control	Amit Kumar Roy, Prasenjit Basak, and Gyan Ranjan Biswal	EEE	IET Generation Transmission and Distribution	2019		DOI: 10.1049/iet-gtd.2019.0021	https://ietresearch.onlinelibrary	Web of Science
Smart Plugs: Paradigms and Applications in the Smart City-and-Smart Grid	Nagender Kumar Suryadevara and Gyan Ranjan Biswal	EEE	Energies, MDPI	2019	{Invited paper}	DOI: 10.3390/en12101957	https://www.mdpi.com/1996-1	Web of Science
Hosting Capacity Assessment of Electric Vehicles Integration in Active Distribution System	Sagarika Rout and Gyan Ranjan Biswal	EEE	Journal of Physics: Conference Series, IOP Publishing	2020		DOI: 10.1088/1742-6596/1478/1/012006	https://iopscience.iop.org/arti	Scopus
Design and Fabrication of an Inexpensive Capacitive Humidity Sensor for Smart Sub-station Automation	Gyan Ranjan Biswal, P. Mohanty, K. J. Akram, N. P. Padhy, and T. Islam	EEE	IEEE Sensors Journal	2020	{A Featured Article}	DOI: 10.1109/JSEN.2020.2974522	https://ieeexplore.ieee.org/do	Web of Science
An integrated rule-based power management and dynamic feed-forward low voltage ride through scheme for a grid-connected hybrid energy system	Amit Kumar Roy, Gyan Ranjan Biswal, and Prasenjit Basak	EEE	J. Renewable Sustainable Energy, AIP	2020		doi: 10.1063/5.0019254	https://pubs.aip.org/aip/jrse/a	Web of Science
A Linear Capacitive Sensor for PPM Moisture Measurement in SF6 Gas Insulated Switchgear	Z. H. Zargar, K. J. Akram, Gyan Ranjan Biswal, and T. Islam	EEE	IEEE Transactions on Instrumentation & Measurement	2021		DOI: 10.1109/TIM.2020.3040880	https://ieeexplore.ieee.org/do	Web of Science
Adaptive differential evolution and pattern search tuned fractional order fuzzy PID for frequency control of power systems” International Journal of Modelling and Simulation	Prangya Mohanty , R. K. Sahu , Dillip Kumar Sahoo and S. Panda	EEE	International Journal of Modelling and Simulation (Ta	2021	0228-6203 (print) 1925	https://www.tandfonline.com/toc/tjms20/current	doi.org/10.1080/02286203	Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Fractional Order Fuzzy PID controller for Automatic Generation Control of power systems	Dillip Kumar Sahoo, R. K. Sahu and S. Panda	EEE	ECTI Transactions on Electrical Engineering, Electronic	2021	1685-9545	https://ph02.tci-thaijo.org/index.php/ECTI-EEC/article/view/222284	DOI: https://doi.org/10.37936/ecti-eeec.2021191.222284	Scopus
Design and analysis of two degree of freedom tilt integral derivative controller with filter for frequency control and real time validation	Jagan Mohana Rao Chintu, R. K. Sahu and S. Panda	EEE	Journal of ELECTRICAL ENGINEERING	2020	1339-309X	https://sciendo.com/article/10.2478/jee-2020-0053	DOI:10.2478/jee-2020-0053	SCI
Adaptive differential evolution based PDF plus (1+PI) controller for frequency regulation of the distributed power generation system with electric vehicle	Dillip Khamari, R. K. Sahu and S. Panda	EEE	" International Journal of Ambient Energy, (Taylor & F	2020	2162-8246	https://www.tandfonline.com/doi/abs/10.1080/01430750.2020.1783357	DOI:10.1080/01430750.2020.1783357	Scopus
Chaotic Harris Hawks Optimization based type-2 Fractional Order Fuzzy PID controller for frequency regulation of power systems	Dillip Kumar Sahoo, R. K. Sahu and S. Panda	EEE	" International Journal of Ambient Energy, (Taylor & F	2020	2162-8246	https://www.tandfonline.com/doi/abs/10.1080/01430750.2020.1860128?journalCode=taen20	https://doi.org/10.1080/01430750.2020.1860128	Scopus
Analysis of Hybrid Fuzzy Logic Control Based PID Through the Filter for Frequency Regulation of Electrical Power System with Real-Time Simulation	P.C.Pradhan, R.K. Sahu and Sidhartha Panda	EEE	Journal of Control, Automation and Electrical Systems	2020	2195-3899	https://link.springer.com/article/10.1007/s40313-020-00684-8	https://doi.org/10.1007/s40313-020-00684-8	Scopus
A Modified Moth Swarm Algorithm-Based Hybrid Fuzzy PD–PI Controller for Frequency Regulation of Distributed Power Generation System with Electric Vehicle	Dillip Khamari, R. K. Sahu and S. Panda	EEE	Journal of Control, Automation and Electrical Systems	2020	2195-3899	https://link.springer.com/article/10.1007/s40313-020-00565-0	https://doi.org/10.1007/s40313-020-00565-0	Scopus
A novel hybrid many optimizing liaisons gravitational search algorithm approach for AGC of power systems	Prangya Mohanty , R. K. Sahu and S. Panda	EEE	Automatika, Journal for Control, Measurement, Electr	2020	848-3380	https://www.tandfonline.com/loi/taui20	DOI: 10.1080/00051144.2019.1694743	Scopus
Automatic generation control of power system in deregulated environment using hybrid TLBO and pattern search technique	Dillip Khamari, R. K. Sahu, G.T. Chandra Sekhar and S. Panda	EEE	Ain Shams Engineering Journal	2020	2090-4479	https://www.sciencedirect.com/science/article/pii/S2090447919301509	https://doi.org/10.1016/j.asej.2019.10.012	SCI
Adaptive differential evolution tuned hybrid fuzzy PD-PI controller for automatic generation control of power systems	Jagan Mohana Rao Chintu, R. K. Sahu and S. Panda	EEE	International Journal of Ambient Energy (Taylor & Fra	2019	2162-8246	https://www.tandfonline.com/doi/abs/10.1080/01430750.2019.1653986	https://doi.org/10.1080/01430750.2019.1653986	Scopus
Differential evolution algorithm tuned tilt integral derivative controller with filter controller for automatic generation control	R. K. Sahu, G. T. Chandra Sekhar and Sonali Priyadarshani	EEE	Evolutionary Intelligence (Springer)	2019	1864-5917	https://link.springer.com/article/10.1007/s12065-019-00215-8	https://doi.org/10.1007/s12065-019-00215-8	Scopus
A Novel Hybrid Pattern Search-Modified De Optimized Tilt Integral Derivative Controller For AGC using Facts Devices	Dillip Kumar Sahoo, R.K.Sahu, G. T. Chandra Sekhar and S. Panda	EEE	International Journal of Recent Technology and Engin	2019	2277-3878	https://DOI:10.35940/ijrte.C5085.098319	DOI:10.35940/ijrte.C5085.098319	Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Improved grey wolf optimization technique for fuzzy aided PID controller design for power system frequency control	B. P. Sahoo and S. Panda	EEE	Sustainable Energy, Grids and Networks	2018	2352-4677	https://www.sciencedirect.com/journal/sustainable-energy-grids-and-networks/	https://doi.org/10.1016/j.segan.2018.09.006	SCIE
Chaotic multi verse optimizer based fuzzy logic controller for frequency control of microgrids	Bibhuti Prasad Sahoo, Sidhartha Panda	EEE	Evolutionary Intelligence	2020	Electronic ISSN:186	https://www.springer.com/journal/12065	https://doi.org/10.1007/s12065-020-00405-9	Scopus
A novel region-based multimodal image fusion technique using improved dictionary learning	Bikash Meher, Sanjay Agrawal, Rutuparna Panda, Lingraj Dora and Ajith Abraham	EEE	International Journal of Imaging Systems and Technol	2020	1098-1098	https://onlinelibrary.wiley.com/doi/abs/10.1002/ima.22395	https://doi.org/10.1002/ima.22395	Scopus
A New Hybrid Multifocus Image Fusion Model Using Single Optimum Gabor Filter	S Agrawal, R Panda, S Kumari, L Dora, and A Abraham	EEE	Revue d'Intelligence Artificielle	2019		http://www.iieta.org/journals/ria/paper/10.18280/ria.330205	https://doi.org/10.18280/ria.330205	Scopus
Visible and infrared image fusion using an efficient adaptive transition region extraction technique	B. Meher, S. Agrawal, R. Panda, L Dora and A Abraham	EEE	Engineering Science and Technology an International J	2021	2215-0986	https://www.sciencedirect.com/journal/engineering-science-and-technology-an-international-journal/about/aims-and-scope	https://www.sciencedirect.com/science/article/pii/S2215098621001580	Web of Science
Stability Improvement of Isolated Wind-Diesel System with Optimized STATCOM Controller	S. Behera, M.C.P. Sahoo	EEE	IJCA , SERSC publisher	2018	2005-4297	http://dx.doi.org/10.14257/ijca.2018.11.10.07	http://dx.doi.org/10.14257/ijca.2018.11.10.07	Scopus
Comparative study of different converter with its controller for grid connected WECS with PMSG	S. Behera, M. Jyotiranjan	EEE	IJEOE	2018	2160-9543	https://www.igi-global.com/gateway/article/223499	https://doi.org/10.4018/IJEOE.2019040101	Web of Science
Fingerprint Based Vehicle Security and Control	S. Behera, D. Mahanta, O. Anshuman, D. Oram	EEE	IJCAR	2018	2319-6475	https://www.journalijcar.org/issues/fingerprint-based-vehicle-security-and-control	http://dx.doi.org/10.24327/ijcar.2018.10918.1874	UGC
Remote Speed Control of BLDC Motor with Display	Sasmita Behera, Prabhat Ku. Muduli	EEE	International Journal of Automation and Smart Techn	2018	2223-9776		10.5875/ausmt.v8i2.1458	Scopus
Improved pole-placement for adaptive pitch control	S. Sahu, and S. Behera	EEE	International Journal of Swarm Intelligence	2019	2223-9766		10.1504/IJSI.2019.104087	Asian Digital Library
Control of DFIG for WECS under disturbances from grid	S. Behera, S.K. Behera, B.B. Pati	EEE	Proceedings of Engineering and Technology Innovatio	2019	2518-833X	https://ojs.ijmeti.org/index.php/PETI/article/view/2296		DOAJ
MPP Tracking of Grid-Integrated PV System Under Partial Shading Using MSCA	S Behera, I Pattnaik, A Meher	EEE	Journal of The Institution of Engineers (India): Series E	2020	2250-2114	https://link.springer.com/article/10.1007/s40031-020-00465-6	https://doi.org/10.1007/s40031-020-00465-6	Scopus
Dynamic economic emission dispatch of thermal-wind-solar system with constriction factor-based particle swarm optimization algorithm.	S Behera, S Behera, AK Barisal, P Sahu	EEE	World Journal of Engineering.	2020	1708-5284	https://www.emerald.com/insight/content/doi/10.1108/WJE-07-2020-0327/full/html	https://doi.org/10.1108/WJE-07-2020-0327	Scopus
A Case Study on Safe Operating Protocol in Two Different Topologies of a Grid-tied PV Plant	S Behera	EEE	Alternative Energy and Distributed Generation Journa	2020	2643-6973			
Dynamic Combined Economic Emission Dispatch integrating Plug-in Electric Vehicles and Renewable Energy Sources.	S Behera, S Behera, AK Barisal	EEE	International Journal of Ambient Energy	2021	2162-8246	https://www.tandfonline.com/doi/abs/10.1080/01430750.2021.1918243	https://doi.org/10.1080/01430750.2021.1918243	Scopus/ESCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A review on modern control applications in wind energy conversion system.	S. Sahu, and S. Behera	EEE	Energy & Environment	2021	0958-305X	https://journals.sagepub.com/doi/abs/10.1177/0958305X21995929?journalCode=eaea	https://journals.sagepub.com/doi/10.1177/0958305X21995929	Scopus/ESCI
An efficient approach for detecting vowel onset and offset point for speech signal	S Garnaik A Kumar G Pradhan K Sethi	EEE	International Journal of Speech Technology	2020	643-651	https://www.scimagojr.com/journalsearch.php?q=Springer%20Netherlands&tip=pub	https://doi.org/10.1007/s10772-020-09714-x	ESCI
	S Behera, M Tripathy, JK Satapathy	EEE	Journal of Electrical Systems and Information Technol	2016	3 (1), 141-150	https://scholar.google.co.in/citations?view_op=view_citation&hl=en&user=BV0wAvIAAAAJ&citation_for_view=BV0wAvIAAAAJ:9yKSN-GCB0IC		
	S Behera, M Tripathy, JK Satapathy	EEE	WASET International Journal of Electrical and Comput	2015	8 (10), 1660-1665	https://scholar.google.co.in/citations?view_op=view_citation&hl=en&user=BV0wAvIAAAAJ&citation_for_view=BV0wAvIAAAAJ:u-x6o8ySG0sC		
Development of Prototype Fractional Order Controller for A Grid-Tied Photovoltaic System	S. Panda, J. K. Pradhan, Gyan Ranjan Biswal, B. Subudhi, and A. Mallick	EEE	IEEE Transactions on Circuits and Systems: Express Bri	2021	15583791	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8920	DOI: 10.1109/TCSII.2021.3129268	SCI
Bidirectional EV Integration in Home Load Energy Management Using Swarm Intelligence	Sagarika Rout and Gyan Ranjan Biswal	EEE	Int. Journal of Ambient Energy, Taylor & Francis	2022	1708-5284	https://www.tandfonline.com/toc/taen20/current		Scopus
Pitch controller design for a wind turbine using hybrid mean-variance mapping optimization	Sasmita Behera, Subham Sahoo	EEE	ECTI Transactions on Electrical Engineering, Electronic	2021	1685-9545	https://ph02.tci-thaijo.org/index.php/ECTI-EEC/article/view/222600	https://doi.org/10.37936/ecti-eeec.2021193.222600	Scopus
Comparison of adaptive pitch control strategies for a wind turbine benchmark model	S. Sahu, S. Behera	EEE	World Journal of Engineering	2022	1708-5284	https://www.emerald.com/insight/publication/issn/1708-5284	https://doi.org/10.1108/WJE-07-2021-0450	Scopus/ESCI
Comparative Study of Convolutional Neural Network and Long Short-Term Memory Network for Solar Irradiance Forecasting	S. Behera, S.S. Bhoi, A. Mishra, S.S. Nayak, S.K. Panda, S.S. Patnaik	EEE	Journal of Engineering Science and Technology	2022	1823-4690	https://jestec.taylorshome.com/View/17issue3.htm	https://jestec.taylorshome.com/View/17issue3.htm	(ESCI/Scopus)
Self-tuning proportional-derivative pitch control for internal fault-tolerance in wind turbine benchmark	S. Sahu and S. Behera	EEE	Australian Journal of Electrical and Electronics Engine	2022	2205-362X		https://doi.org/10.1080/1448837X.2022.2125974	Scopus
Dynamic economic emission dispatch including electric vehicles' demand management and vehicle to grid support considering physical constraints	S. Behera, S. Behera, AK. Barisal	EEE	Journal of Ambient Intelligence and Humanized Comp	2023	1868-5145		https://doi.org/10.1007/s12652-023-04518-g	Scopus
An approach for reducing pitch induced mismatches to detect keywords in children's speech	Sarmila Garnaik, Gayadhar Pradhan & Kabiraj Sethi	EEE	Multimedia Tools and Applications	2021	27057-27071	https://link.springer.com/article/10.1007/s11042-021-11243-x	https://doi.org/10.1007/s11042-021-11243-x	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
FPGA Implementation and Detection of a Simple Vowel-like Speech Algorithm.	Garnaik, Sarmila; Rout, Shasanka Sekhar; Sethi, Kabiraj	EEE	Information Assurance & Security	2021	1554-1010	https://www.mirlabs.org/ijas/	https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&url=15541010&AN=158922046&h=0j99h%2f0g%2b%2bdeU79e10YvpJdJ5s2qW41nmMn9L0d%2fXumVaaGLuL%2fmbQI9kINis6ZnHXZVJhsmTJLMrYIGi%2fUWw%3d%3d&cri=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crihashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26url%3d15541010%26AN%3d158922046	ESCI
An Efficient Multiclass Classifier for Classification of Alzheimer's Disease/Mild Cognitive Impairment/Normal Subjects	L. Dora, S. Agrawal, R. Panda and A. Abraham	EEE	International Journal of Imaging Systems and Technol	2021	1098-1098	https://onlineibrary.wiley.com/doi/abs/10.1002/ima.22656	https://doi.org/10.1002/ima.22656	SCIE
Data Science Methodologies in Smart Healthcare: A Review	P. K. Parida, L. Dora, M. Swain, S. Agrawal, and R. Panda	EEE	Health and Technology	2022	2190-7196	10.1007/s12553-022-00648-9	https://link.springer.com/article/10.1007/s12553-022-00648-9	ESCI
Molecular imaging analysis in cancer using deep learning: a review	S. Prusty, L. Dora, R. Panda, S. Agrawal and A. Abraham	EEE	Research on Biomedical Engineering, Springer	2023	0090-6964 /	https://doi.org/10.1007/s42600-023-00301-y	https://link.springer.com/article/10.1007/s42600-023-00301-y	SCIE
A Review on Retinal Blood Vessel Enhancement and Segmentation Techniques for Color Fundus Photography	S. Mahapatra, S. Agrawal, P. K. Mishro, R. Panda, L. Dora and R. B. Pachori	EEE	Critical Reviews in Biomedical Engineering	2024	1943-619X	10.1615/CritRevBiomedEng.2023049348	https://www.dl.begellhouse.com/journals/4b27cbfc562e21b8.264393b40f6ee9ce.6bd4dc8711c4d006.html	Scopus
Pathological brain classification using multiple kernel-based deep convolutional neural network	L. Dora, S. Agrawal, R. Panda and R. B. Pachori	EEE	Neural Computing and Applications, Springer	2023	0941-0643	https://doi.org/10.1007/s00521-023-09057-z(0123456789)...volV(0123456789)...volV	https://link.springer.com/journal/521	SCIE
Integration of Distributed Generations by coordinating Electric Vehicle Charging Station in Medium Voltage Network by Swarm Intelligence	Sagarika Rout and Gyan Ranjan Biswal	EEE	World Journal of Engineering, Emerald	2023	1708-5284	DOI: 10.1108/WJE-03-2022-0105	https://www.emerald.com/insight/publication/issn/1708-5284	Scopus
Comparison of Cost and Emission Reduction Efficacy of Wind Energy in Hydrothermal Systems	R. K. Samal	Electrical Engineering	Iranian Journal of Science and Technology, Transaction	2023		https://link.springer.com/article/10.1007/s40998-023-00654-1	https://link.springer.com/journal/40998	SCIE, SCOPUS
Techno-economic analysis and wind resource assessment for Odisha, India using reanalysis and 80 m mast measurements: a preliminary assessment for policy-makers	R. K. Samal	Electrical Engineering	International Journal of Ambient Energy	2022		https://www.tandfonline.com/journals/taen20	https://www.tandfonline.com/journals/taen20	SCOPUS
Hybrid Modified Whale Optimisation Algorithm Simulated Annealing Technique for Control of SRM	N. Saha, S Panda	Electrical Engineering	International Journal of Applied Metaheuristic Comput	2021	123-147	https://www.igi-global.com/article/hybrid-modified-whale-optimisation-algorithm-simulated-annealing-technique-for-control-of-srm/284421	https://www.igi-global.com/article/hybrid-modified-whale-optimisation-algorithm-simulated-annealing-technique-for-control-of-srm/284421	Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Cosine adapted modified whale optimization algorithm for control of switched reluctance motor. Computational Intelligence	N. Saha, S Panda	Electrical Engineering	Computational Intelligence, Publisher, Wiley Online Li	2022	978-1017	https://onlinelibrary.wiley.com/doi/abs/10.1111/coin.12310	https://onlinelibrary.wiley.com/doi/abs/10.1111/coin.12310	SCI-SCOPUS
Multi-Objective Salp Swarm algorithm-based fractional order fuzzy precompensated PDPI Controller for Frequency Regulation of hybrid power system	Debidasi Mohanty, Sidhartha Panda	Electrical Engineering	International Journal of Numerical Modelling: Electron	2023	1099-1204		https://doi.org/10.1002/jnm.3094	SCI-E, SCOPUS
Modified salp swarm algorithm-optimized fractional-order adaptive fuzzy PID controller for frequency regulation of hybrid power system with electric vehicle	Debidasi Mohanty, Sidhartha Panda	Electrical Engineering	Journal of Control, Automation and Electrical Systems	2021	2195-3899	https://www.springer.com/journal/40313	https://link.springer.com/article/10.1007/s40313-020-00683-9	SCOPUS
A modified moth flame optimisation technique tuned adaptive fuzzy logic PID controller for frequency regulation of an autonomous power system	Debidasi Mohanty, Sidhartha Panda	Electrical Engineering	International Journal of Sustainable Energy	2021	1478-6451	https://www.springer.com/journal/40313	https://link.springer.com/article/10.1007/s40313-020-00683-99	SCOPUS
Frequency control of hybrid power system by sine function adapted improved whale optimization technique	Debidasi Mohanty, Sidhartha Panda	Electrical Engineering	International Journal of Ambient Energy	2020	1-30	https://www.tandfonline.com/doi/abs/10.1080/01430750.2020.1839550	https://doi.org/10.1080/01430750.2020.1839550	SCOPUS
Implementation of MVF-Based Control Technique for 3- Φ Distribution Static Compensator	G Pathak, D Mohanty, SK Dwivedi, B Singh, BK Panigrahi	Electrical Engineering	Journal of The Institution of Engineers (India): Series B	2019	589-597	https://link.springer.com/article/10.1007/s40031-019-00417-9	https://doi.org/10.1007/s40031-019-00417-9	SCOPUS
Sine cosine adopted Harris' hawks optimization for function optimization and power system frequency controller design	D Mohanty and S Panda	Electrical Engineering	International Transactions on Electrical Energy Systems	2021		https://onlinelibrary.wiley.com/doi/abs/10.1002/2050-7038.12915	https://doi.org/10.1002/2050-7038.12915	SCIE/SCOPUS
A reconstruction based adaptive fault detection scheme for distribution system containing AC microgrid	Bhawana Deshmukh, Deepak Kumar Lal, and Sandeep Biswal	Electrical Engineering	International Journal of Electrical Power and Energy S	2023	0142-0615	https://www.sciencedirect.com/science/article/pii/S0142061522007979?utm_campaign=STML_AUTH_SERV_PUBLISHED&utm_medium=email&utm_acid=246191182&SIS_ID=&dcid=STML_AUTH_SERV_PUBLISHED&CMX_ID=&utm_in=DM322655&utm_source=AC_	https://doi.org/10.1016/j.ijepes.2022.108801	SCI-E, SCOPUS
Combined load frequency and terminal voltage control of power systems using moth flame optimization algorithm	Deepak Kumar Lal, and Ajit Kumar Barisal	Electrical Engineering	Journal of Electrical Systems and Information Technol	2019	2314-7172		https://doi:10.1186/s43067-019-0010-3	SCOPUS
Mitigation of power oscillations using hybrid DE-PSO optimization-based SSSC damping controller	Soudamini Behera, Ajit Kumar Barisal, Nirmalya Dhal, and Deepak Kumar Lal	Electrical Engineering	Journal of Electrical Systems and Information Technol	2019	2314-7172		https://doi:10.1186/s43067-019-0007-y	SCOPUS
Grasshopper algorithm optimized fractional order fuzzy PID frequency controller for hybrid power systems	Deepak Kumar Lal, and Ajit Kumar Barisal	Electrical Engineering	Recent Advances in Electrical and Electronic Engineeri	2019	2352-0973		https://doi.org/10.2174/2352096511666180717142058	SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
Differential evolution algorithm optimized dual mode load frequency controller for isolated wind-diesel power system with SMES & fuel cell	Deepak Kumar Lal, A. K. Barisal, and M. Tripathy	Electrical Engineering	Recent Advances in Electrical and Electronic Engineering	2019	2352-0973	https://doi.org/10.2174/2352096511666180411150820	SCOPUS
Load Frequency Control of Multi Source Multi-Area Nonlinear Power System with DE-PSO Optimized Fuzzy PID Controller in Coordination with SSSC and RFB	Deepak Kumar Lal, A. K. Barisal, and M. Tripathy	Electrical Engineering	International Journal of Control and Automation (SER)	2018	2005-4297	http://dx.doi.org/10.14257/ijca.2018.11.7.06	SCOPUS
Application of Moth Flame Optimization Algorithm for AGC of Multi-Area Interconnected Power Systems	Ajit Kumar Barisal, and Deepak Kumar Lal	Electrical Engineering	International Journal of Energy Optimization and Engi	2018	2160-9500	https://doi: 10.4018/IJEOE.2018010102	SCOPUS
Control of period doubling bifurcation in an SMIB power system using adaptive controller based on LaSalle's invariant principle	Bimalesh Chandra Rout, Deepak Kumar Lal, and A. K. Barisal	Electrical Engineering	Cogent Engineering (Taylor & Francis Publication)	2017	2331-1916	https://doi: 10.1080/23311916.2017.1362804	SCOPUS
Comparative performances evaluation of FACTS devices on AGC with diverse sources of energy generation and SMES	Deepak Kumar Lal, and A. K. Barisal	Electrical Engineering	Cogent Engineering (Taylor & Francis Publication)	2017	2331-1916	https://doi: 10.1080/23311916.2017.1318466	SCOPUS
Small-signal modeling and multivariable PI design of VSC-HVDC transmission link	Jatin K Pradhan, Arun Ghosh and C. N. Bhende,	Electrical Engineering	Journal of Electric Power System Research	2017	0378-7796	https://www.sciencedirect.com/journal/electric-power-systems-research https://doi.org/10.1016/j.epsr.2016.11.005	SCI
<u>Two-degree-of-freedom multi-input multi-output proportional-integral-derivative control design: Application to quadruple-tank system</u>	Jatin K Pradhan, Arun Ghosh and C. N. Bhende,	Electrical Engineering	Proceedings of the Institution of Mechanical Engineer	2019	0959-6518	https://journals.sagepub.com/home/pij https://doi.org/10.1177/2f0959651818791687	SCOPUS
Design and implementation of decoupled periodic control scheme for a laboratory-based quadruple-tank process	Jatin K Pradhan, and Arun Ghosh	Electrical Engineering	Proceedings of the Institution of Mechanical Engineer	2021	0959-6518	https://journals.sagepub.com/home/pij https://doi.org/10.1177/2f09596518211022897	SCOPUS
Application of a simplified Grey Wolf optimization technique for adaptive fuzzy PID controller design for frequency regulation of a distributed power generation system	Sasmita Padhy, Sidhartha Panda	Electrical Engineering	Protection and Control of Modern Power Systems	2021	2367-0983	https://link.springer.com/article/10.1186/s41601-021-00180-4	SCOPUS
Analysis of Hybrid Fuzzy Logic Control Based PID Through the Filter for Frequency Regulation of Electrical Power System with Real-Time Simulation	PC Pradhan, RK Sahu, S Panda	Electrical Engineering	Journal of Control, Automation and Electrical Systems	2021	2195-3899	https://www.springer.com/journal/40313 https://link.springer.com/article/10.1007/s40313-020-00684-8	SCOPUS
Adaptive differential evolution and pattern search tuned fractional order fuzzy PID for frequency control of power systems	P Mohanty, RK Sahu, DK Sahoo, S Panda	Electrical Engineering	International Journal of Modelling and Simulation	2021	1925-7082	https://www.tandfonline.com/doi/abs/10.1080/02286203.2021.1875287	SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Modified salp swarm algorithm-optimized fractional-order adaptive fuzzy PID controller for frequency regulation of hybrid power system with electric vehicle	D Mohanty, S Panda	Electrical Engineering	Journal of Control, Automation and Electrical Systems	2021	2195-3899	https://www.springer.com/journal/40313	https://link.springer.com/article/10.1007/s40313-020-00683-9	SCOPUS
Simplified grey wolf optimization algorithm tuned Adaptive fuzzy PID controller for frequency regulation of interconnected power systems	S Padhy, S Panda	Electrical Engineering	International Journal of Ambient Energy	2021	2162-8246	https://www.tandfonline.com/toc/taen20/current	https://doi.org/10.1080/01430750.2021.1874518	SCOPUS
A modified moth flame optimisation technique tuned adaptive fuzzy logic PID controller for frequency regulation of an autonomous power system	D Mohanty, S Panda	Electrical Engineering	International Journal of Sustainable Energy	2021	1478-6451	https://www.springer.com/journal/40313	https://link.springer.com/article/10.1007/s40313-020-00683-99	SCOPUS
Chaotic Harris Hawks Optimization Based Type-2 Fractional Order Fuzzy PID Controller for Frequency Regulation of Power Systems	DK Sahoo, RK Saha, S Panda	Electrical Engineering	International Journal of Ambient Energy	2020	2162-8246	https://www.tandfonline.com/toc/taen20/current	https://doi.org/10.1080/01430750.2020.1860128	SCOPUS
Design and analysis of two degree of freedom tilt integral derivative controller with filter for frequency control and real time validation	JMR Chintu, RK Sahu, S Panda	Electrical Engineering	Journal of Electrical Engineering	2020	1335-3632	https://sciendo.com/article/10.2478/jee-2020-0053	DOI:10.2478/jee-2020-0053	SCI
Various dimension reduction techniques for high dimensional data analysis: a review	Papia Ray, S.Surender Reddy and Tuhina Banerjee	Electrical Engineering	Artificial Intelligence Review	Jan 2021	0269-2821	https://link.springer.com/article/10.1007/s10462-020-09928-0	https://doi.org/10.1007/s10462-020-09928-0	SCI
Two accurate hybrid islanding detection schemes for distribution network	Papia Ray, Surender Reddy Salkuti and Monalisa Biswal	Electrical Engineering	Journal of Intelligent and Fuzzy Systems	Feb 2021	1064-1246	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs189746	DOI: 10.3233/JIFS-189746	SCI
Frequency mode identification using modified masking signal based Empirical Mode Decomposition	Papia Ray, Rajesh Kumar Lenka and Monalisa Biswal	Electrical Engineering	IET Gener.Transm.Distrib	2019	1751-8695	https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/iet-gtd.2018.5527	10.1049/iet-gtd.2018.5527	SCI
design of PID controller for Automatic Voltage regulator system using Antlion optimizer	Rosy Pradhan, Santosh Kumar Majhi, Bibhuti Bhusan Pati	Electrical Engineering	World Journal of Engineering	2018	1708-5284	https://www.emerald.com/insight/content/doi/10.1108/WJE-05-2017-0102/full/html	https://doi.org/10.1108/WJE-05-2017-0102	Emerging SCI
Cost savings and emission reduction capability of wind-integrated power systems	Rajat Kanti Samal, M. Tripathy	Electrical Engineering	Electrical Power and Energy Systems (Elsevier)	2018	0142-0615	https://www.journals.elsevier.com/international-journal-of-electrical-power-and-energy-systems	https://doi.org/10.1016/j.ijepes.2018.07.039	SCI-E, SCOPUS
Estimating wind speed probability distribution based on measured data at Burla in Odisha, India	Rajat Kanti Samal & Manish Tripathy	Electrical Engineering	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects (Taylor and Francis)	2018	1556-7036 (Print) 15	https://www.tandfonline.com/toc/ueso20/current	https://doi.org/10.1080/15567036.2018.1521888	SCI, SCOPUS
Cost and emission additionality of wind energy in power systems	Rajat Kanti Samal *, M. Tripathy	Electrical Engineering	Sustainable Energy, Grids and Networks (Elsevier)	2018	2352-4677	https://www.journals.elsevier.com/sustainable-energy-grids-and-networks	https://doi.org/10.1016/j.segan.2018.12.001	SCI-E, SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A new perspective on wind integrated optimal power flow considering turbine characteristics, wind correlation and generator reactive limits	M. Tripathy, Rajat Kanti Samal	Electrical Engineering	Electric Power Systems Research (Elsevier)	2019	0378-7796	https://www.journals.elsevier.com/electric-power-systems-research	https://doi.org/10.1016/j.epr.2019.01.018	SCI-E, SCOPUS
A novel distance metric for evaluating impact of wind integration on power systems	Rajat Kanti Samal*, M. Tripathy	Electrical Engineering	Renewable Energy	2019	0960-1481	https://www.journals.elsevier.com/renewable-energy	https://doi.org/10.1016/j.renene.2019.03.094	SCI-E, SCOPUS
Probabilistic Modelling of 80 m Mast Measured Wind Resource: A case study	Rajat Kanti Samal	Electrical Engineering	Energy Sources, Part A: Recovery, Utilization, and Environment	2021		https://www.tandfonline.com/toc/ueso20/current	DOI: 10.1080/15567036.2021.1910753	SCI
Assessment of wind energy potential using reanalysis data: A comparison with mast measurements	Rajat Kanti Samal	Electrical Engineering	Journal of Cleaner Production	2021	ISSN 0959-6526	https://www.journals.elsevier.com/journal-of-cleaner-production	https://doi.org/10.1016/j.jclepro.2021.127933	SCI-E
Performance Improvement of Electric Power Distribution System Using DG	Mamun Mishra, P. K. Modi	Electrical engineering	Distributed Generation and Alternative Energy Journal	2016	Print ISSN: 2156-3300	https://www.tandfonline.com/toc/ucgn21/current	https://doi.org/10.1080/21563306.2016.11781080	SCOPUS
A hybrid IDM using wavelet transform for a synchronous generator-based RES with zero non-detection zone	Mamun Mishra, B. B. Pati	Electrical engineering	AIMS Electronics and Electrical Engineering	2024		AIMS Electronics and Electrical Engineering (aimspress.com)	doi: 10.3934/electreng.2024006	SCOPUS
Adaptive differential evolution based PDF plus (1+PI) controller for frequency regulation of the distributed power generation system with electric vehicle	Dillip Khamari, R. K. Sahu and S. Panda	Electrical engineering	" International Journal of Ambient Energy, (Taylor & Francis)	2020	2162-8246	https://www.tandfonline.com/doi/abs/10.1080/01430750.2020.1783357	DOI:10.1080/01430750.2020.1783357	Scopus
Chaotic Harris Hawks Optimization based type-2 Fractional Order Fuzzy PID controller for frequency regulation of power systems	Dillip Kumar Sahoo, R. K. Sahu and S. Panda	Electrical engineering	" International Journal of Ambient Energy, (Taylor & Francis)	2020	2162-8246	https://www.tandfonline.com/doi/abs/10.1080/01430750.2020.1860128?journalCode=taen20	https://doi.org/10.1080/01430750.2020.1860128	Scopus
Analysis of Hybrid Fuzzy Logic Control Based PID Through the Filter for Frequency Regulation of Electrical Power System with Real-Time Simulation	P.C.Pradhan, R.K. Sahu and Sidhartha Panda	Electrical engineering	Journal of Control, Automation and Electrical Systems	2020	2195-3899	https://link.springer.com/article/10.1007/s40313-020-00684-8	https://doi.org/10.1007/s40313-020-00684-8	Scopus
A Modified Moth Swarm Algorithm-Based Hybrid Fuzzy PD-PI Controller for Frequency Regulation of Distributed Power Generation System with Electric Vehicle	Dillip Khamari, R. K. Sahu and S. Panda	Electrical engineering	Journal of Control, Automation and Electrical Systems	2020	2195-3899	https://link.springer.com/article/10.1007/s40313-020-00565-0	https://doi.org/10.1007/s40313-020-00565-0	Scopus
A novel hybrid many optimizing liaisons gravitational search algorithm approach for AGC of power systems	Prangya Mohanty , R. K. Sahu and S. Panda	Electrical engineering	Automatika, Journal for Control, Measurement, Electrical Engineering and Information Technology	2020	848-3380	https://www.tandfonline.com/loi/taut20	DOI: 10.1080/00051144.2019.1694743	Scopus
Automatic generation control of power system in deregulated environment using hybrid TLBO and pattern search technique	Dillip Khamari, R. K. Sahu, G.T. Chandra Sekhar and S. Panda	Electrical engineering	Ain Shams Engineering Journal	2020	2090-4479	https://www.sciencedirect.com/science/article/pii/S2090447919301509	https://doi.org/10.1016/j.asej.2019.10.012	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Adaptive differential evolution tuned hybrid fuzzy PD-PI controller for automatic generation control of power systems	Jagan Mohana Rao Chintu, R. K. Sahu and S. Panda	Electrical engineering	International Journal of Ambient Energy (Taylor & Fra	2019	2162-8246	https://www.tandfonline.com/doi/abs/10.1080/01430750.2019.1653986	https://doi.org/10.1080/01430750.2019.1653986	Scopus	
Differential evolution algorithm tuned tilt integral derivative controller with filter controller for automatic generation control	R. K. Sahu, G. T. Chandra Sekhar and Sonali Priyadarshani	Electrical engineering	Evolutionary Intelligence (Springer)	2019	1864-5917	https://link.springer.com/article/10.1007/s12065-019-00215-8	https://doi.org/10.1007/s12065-019-00215-8	Scopus	
A Novel Hybrid Pattern Search-Modified De Optimized Tilt Integral Derivative Controller For AGC using Facts Devices	Dillip Kumar Sahoo, R.K.Sahu, G. T. Chandra Sekhar and S. Panda	Electrical engineering	International Journal of Recent Technology and Engin	2019	2277-3878	https://DOI:10.35940/ijrte.C5085.098319	DOI:10.35940/ijrte.C5085.098319	Scopus	
Application of hybrid modified differential evolution and pattern search optimization technique for automatic generation control of power system	D. K. Sahoo, R. K. Sahu and S. Panda	Electrical engineering	International Journal of Engineering & Technology	2018	2227-524X	https://www.sciencepubco.com/index.php/ijet/article/view/25352	DOI: 10.14419/ijet.v7i3.34.25352	Scopus	
A novel modified differential evolution algorithm optimized fuzzy proportional integral derivative controller for load frequency control with thyristor controlled series compensator	Dillip Kumar Sahoo, R.K.Sahu, G. T. Chandra Sekhar and S. Panda	Electrical engineering	Journal of Electrical System and Information Technolo	2018	2314-7172	https://www.sciencedirect.com/science/article/pii/S231471721630109X	https://doi.org/10.1016/j.jesit.2016.12.003	Scopus	
Firefly Algorithm Optimized PID Controller for Automatic Generation Control with Redox Flow Battery	G.T.Chandra Sekhar, R.K.Sahu and S.Panda	Electrical engineering	International Journal of Computational Systems Engin	2017	2046-3405	https://www.inderscience.com/info/inarticle.php?artid=83146	DOI: 10.1504/IJCSYSE.2017.083146	Scopus	
Design and analysis of tilt integral derivative controller with filter for load frequency control of multi-area interconnected power system	R.K.Sahu, S. Panda, A. Biswal and G.T. Chandra Sekhar	Electrical engineering	ISA Transactions		0019-0578	https://www.sciencedirect.com/science/article/pii/S0019057815003055	https://doi.org/10.1016/j.isatra.2015.12.001	SCI	
Teaching learning based optimization algorithm for automatic generation control of power system using 2-DOF PID controller	R.K.Sahu, S. Panda, U. K. Rout and D K Sahoo	Electrical engineering	International Journal of Electrical Power and Energy S	2016	0142-0615	https://www.sciencedirect.com/science/article/pii/S014206151500513X	https://doi.org/10.1016/j.ijepes.2015.11.082	SCI	
Automatic generation control of multi-area power systems with diverse energy sources using Teaching Learning Based Optimization algorithm	R.K. Sahu, G.T. Chandra Sekhar and Sidhartha Panda	Electrical engineering	Engineering Science and Technology: an International	2016	2215-0986	https://www.sciencedirect.com/science/article/pii/S2215098615001159	https://doi.org/10.1016/j.ijestech.2015.07.011	SCI	
Firefly algorithm optimized fuzzy PID controller for AGC of multi area multi source power systems with UPFC and SMES	P.C.Pradhan, R.K. Sahu and Sidhartha Panda	Electrical engineering	Engineering Science and Technology: an International	2016	2215-0986	https://www.sciencedirect.com/science/article/pii/S2215098615001299	https://doi.org/10.1016/j.ijestech.2015.08.007	SCI	
Load frequency control of power system under deregulated environment using optimal firefly algorithm	G.T. Chandra Sekhar, R.K. Sahu, A.K. Baliarsingh and Sidhartha Panda	Electrical engineering	International Journal of Electrical Power and Energy S	2016	0142-0615	https://www.sciencedirect.com/science/article/pii/S0142061515003117	https://doi.org/10.1016/j.ijepes.2015.07.025	SCI	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A hybrid firefly algorithm and pattern search technique for automatic generation control of multi area power systems	R.K.Sahu, S. Panda and Saroj Padhan	Electrical engineering	International Journal of Electrical Power and Energy S	2015	0142-0615	https://www.sciencedirect.com/science/article/pii/S0142061514004451	https://doi.org/10.1016/j.ijepes.2014.07.013	SCI
A novel hybrid PSO-PS optimized fuzzy PI controller for AGC in multi area interconnected power systems	R.K.Sahu, S. Panda and G.T. Chandra Sekhar	Electrical engineering	International Journal of Electrical Power and Energy S	2015	0142-0615	https://www.sciencedirect.com/science/article/pii/S014206151400547X	https://doi.org/10.1016/j.ijepes.2014.08.021	SCI
DE optimized fuzzy PID controller with derivative filter for LFC of multi source power system in deregulated environment	R.K.Sahu, G.T. Chandra Sekhar and S. Panda	Electrical engineering	Ain Shams Engineering Journal	2015	2090-4479	https://www.sciencedirect.com/science/article/pii/S209044791400183X	https://doi.org/10.1016/j.asej.2014.12.009	SCI
A novel hybrid gravitational search and pattern search algorithm for load frequency control of nonlinear power system	R.K.Sahu S. Panda and Saroj Padhan	Electrical engineering	Applied Soft Computing	2015	1568-4946	https://www.sciencedirect.com/science/article/pii/S156849461500023X	https://doi.org/10.1016/j.asoc.2015.01.020	SCI
Design and analysis of hybrid firefly algorithm-pattern search based fuzzy PID controller for LFC of multi area power systems	R.K.Sahu S. Panda and P.C. Pradhan	Electrical engineering	International Journal of Electrical Power and Energy S	2015	0142-0615	https://www.sciencedirect.com/science/article/pii/S0142061515000381	https://doi.org/10.1016/j.ijepes.2015.01.019	SCI
A hybrid DE-PS algorithm for load frequency control under deregulated power system with UPFC and RFB	R.K.Sahu, G.T. Chandra Sekhar and S. Panda	Electrical engineering	Ain Shams Engineering Journal	2015	2090-4479	https://www.sciencedirect.com/science/article/pii/S2090447915000520	https://doi.org/10.1016/j.asej.2015.03.011	SCI
AGC of a multi-area power system under deregulated environment using redox flow batteries and interline power flow controller	G.T. Chandra Sekhar, R.K.Sahu and S. Panda	Electrical engineering	Engineering Science and Technology: an International	2015	2215-0986	https://www.sciencedirect.com/science/article/pii/S2215098615000464	https://doi.org/10.1016/j.iestch.2015.04.002	SCI
A hybrid modified differential evolution-pattern search approach for SSSC based damping controller design under communication constraints	B. Rout, B. B. Pati and Sidhartha Panda	Electrical engineering	International Journal of System Assurance Engineering	2018	0976-4348		https://doi.org/10.1007/s13198-018-0695-z	SCOPUS
Modified SCA Algorithm for SSSC Damping Controller Design in Power System	B Rout, B.B. Pati, and S. Panda	Electrical engineering	ECTI Transaction on Electrical Eng., Electronics, and Co	2018	1685-9545		https://doi.org/10.37936/ecti-ee.2018161.171326	SCOPUS
Optimal fractional order PID controller design using Ant Lion Optimizer",	R Pradhan, S K Majhi, J K Pradhan, B B Pati	Electrical engineering	Ain Shams Engineering Journal, Elsevier Publication,	2019			https://doi.org/10.1016/j.asej.2019.10.005	SCIE, SCOPUS
An Optimal Islanding Detection Scheme for an Inverter-based Distribution Generation System	B. Soreng and Raseswari Pradhan	Electrical engineering	Distributed Generation & Alternative Energy Journal	2021	169-202	https://www.journal.riverpublishers.com/index.php/DGAEJ/article/view/2555/2028	doi: 10.13052/dgaej2156-3306.3625	SCOPUS
Optimal controller design for an islanded microgrid during load change	B. Soreng and Raseswari Pradhan	Electrical engineering	International Journal of Grid and Utility Computing (In	2020	Online available	https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=IJGUC	DOI: 10.1504/IJGUC.2021.10039051	SCOPUS
A hybrid incremental conductance and sliding mode controller for a PV microgrid system	S.S. Pradhan, Raseswari Pradhan and B. Subudhi	Electrical engineering	International Journal of Intelligent Systems Design and	2020	145-160	https://www.inderscienceonline.com/doi/abs/10.1504/IJISDC.2020.115170	doi: 10.13052/dgaej2156-3306.3512	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A Modified Double-Integral-Sliding-Mode-Controller for a Microgrid System With Uncertainty	S.S. Pradhan and Raseswari Pradhan	Electrical engineering	Distributed Generation & Alternative Energy Journal	2020	19-46	https://riverpublishersjournal.com/index.php/DGAE/article/view/1848	https://doi.org/10.13052/dgaej2156-3306.3512	SCOPUS
Smart rainwater harvesting techniques	Raseswari Pradhan and J. Sahoo	Electrical engineering	International Journal of Water	2020	Online available	https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijw	DOI: 10.1504/IJW.2020.10039012	SCOPUS
A New Adaptive Maximum Power Point Controller for a Photovoltaic System	Raseswari Pradhan and B. Subudhi	Electrical engineering	IEEE transactions on Sustainable Energy	2019	1625-1632	https://ieeexplore.ieee.org/abstract/document/8438971	DOI: 10.1109/TSTE.2018.2865753	SCI/SCOPUS
Bacterial Foraging Optimization Approach to Parameter Extraction of a Photovoltaic Module	Raseswari Pradhan and B. Subudhi	Electrical engineering	IEEE Transactions on Sustainable Energy	2018	381-389	https://ieeexplore.ieee.org/abstract/document/8002657	DOI: 10.1109/TSTE.2017.2736060	SCI/SCOPUS
Double Integral Sliding Mode MPPT Control of a Photovoltaic System	Raseswari Pradhan and B. Subudhi	Electrical engineering	IEEE Transactions on Control Systems Technology	2016	285-292	https://ieeexplore.ieee.org/abstract/document/77101232	DOI: 10.1109/TCST.2015.2420674	SCI/SCOPUS
Design and real-time implementation of a new auto-tuned adaptive MPPT control for a photovoltaic system	Raseswari Pradhan and B. Subudhi	Electrical engineering	International Journal of Electrical Power and Energy S	2015	792-803	https://www.sciencedirect.com/science/article/pii/S0142061514005249	https://doi.org/10.1016/j.ijepes.2014.07.080	SCI/SCOPUS
An Adaptive Predictive Error Filter based Maximum Power Point Tracking Algorithm for a Photovoltaic System	Raseswari Pradhan and B. Subudhi	Electrical engineering	The Journal of Engineering	2016	1-28	https://sci-hub.eg/10.1049/joe.2015.0195	doi: 10.1049/joe.2015.0195	SCI/SCOPUS
Adaptive double-integral-sliding-mode-maximum-power-point tracker for a photovoltaic system	Raseswari Pradhan and B. Subudhi	Electrical engineering	The Journal of Engineering	2015	1-15	https://sci-hub.eg/10.1049/joe.2015.0125	doi: 10.1049/joe.2015.0125	SCI/SCOPUS
Frequency control of hybrid power system by sine function adapted improved whale optimization technique	D Mohanty and S Panda	Electrical engineering	International Journal of Ambient Energy (Taylor & Fra	2020	1-30	https://www.tandfonline.com/doi/abs/10.1080/01430750.2020.1839550	https://doi.org/10.1080/01430750.2020.1839550	SCOPUS
Implementation of MVF-Based Control Technique for 3-Φ Distribution Static Compensator	G Pathak, D Mohanty, SK Dwivedi, B Singh, BK Panigrahi	Electrical engineering	Journal of The Institution of Engineers (India): Series E	2019	589-597	https://link.springer.com/article/10.1007/s40031-019-00417-9	https://doi.org/10.1007/s40031-019-00417-9	SCOPUS
Sine cosine adopted Harris' hawks optimization for function optimization and power system frequency controller design	D Mohanty and S Panda	Electrical engineering	International Transactions on Electrical Energy System	2021		https://onlinelibrary.wiley.com/doi/abs/10.1002/2050-7038.12915	https://doi.org/10.1002/2050-7038.12915	SCIE/SCOPUS
Performance of static synchronous series compensator and superconducting magnetic energy storage controllers for frequency regulation in two area hybrid wind-thermal power system using Cuckoo Search Algorithm	S. Chaine and M.Tripathy	Electrical engineering	Engineering Reports, Wiley Publications,	2020		https://onlinelibrary.wiley.com/doi/10.1002/eng2.12313	https://doi.org/10.1002/eng2.12313	SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Performance of CSA optimized controllers of DFIGs and AGC to improve frequency regulation of a wind integrated hydrothermal power system	S. Chaine and M.Tripathy	Electrical engineering	Alexendria Engineering Journal, Elsevier Sciences	2019	1110-0168	https://doi.org/10.1016/j.aej.2019.03.007	SCIE/SCOPUS		
Non dominated Cuckoo search algorithm optimized controllers to improve the frequency regulation characteristics of wind thermal power system	S.Chaine, M.Tripathy, Divesh Jain	Electrical engineering	Int. Journal of Engineering Science and Technology, El	2017		https://doi.org/10.1016/j.jestch.2017.05.005	SCI		
A Modified Bacteria Foraging based Optimal Power Flow Framework for Hydro-Thermal-Wind generation system in the presence of STATCOM	A. Panda, M. Tripathy, A.K. Barisal, T. Prakash	Electrical engineering	Energy, Elsevier Sciences	2017	0360-5442	https://www.sciencedirect.com/science/article/abs/pii/S0360544217302712	https://doi.org/10.1016/j.energy.2017.02.090	SCI	
Security constrained optimal power flow solution of wind-thermal generation system using Modified bacteria foraging algorithm	Ambarish Panda, M. Tripathy	Electrical engineering	Energy, Elsevier Sciences	2015	0360-5442		10.1016/j.energy.2015.09.083	SCI	
NSGA-II based optimal control scheme of wind thermal power system for improvement of frequency regulation characteristics	S. Chaine, M.Tripathy, S. Satpathy	Electrical engineering	Ain Shams Engineering Journal,Elsevier Publication,	2015	2090-4479	https://www.sciencedirect.com/science/article/pii/S209044791500026X	https://doi.org/10.1016/j.asej.2015.01.011	SCI	
Coordinated tuning of PSS and TCSC to improve Hopf Bifurcation margin in multimachine power system by a Modified Bacteria Foraging Algorithm	M.Tripathy, S.Mishra	Electrical engineering	International Journal of Electrical Power and Energy S	2015	0142-0615	https://www.sciencedirect.com/science/article/pii/S0142061514006255	https://doi.org/10.1016/j.ijepes.2014.10.022	SCI	
QALO-MOR: Improved antlion optimizer based on quantum information theory for model order reduction	Pradhan, Rosya Khan, Mohammad Rafiqueb Sethy, Prabir Kumarc Majhi, Santosh Kumara	Electrical engineering	Journal of Intelligent & Fuzzy Systems	2021	1064-1246	https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs189894	SCI	
Quantum-inspired binary chaotic salp swarm algorithm (QBCSSA)-based dynamic task scheduling for multiprocessor cloud computing systems	Kaushik Mishra, Rosy Pradhan & Santosh Kumar Majhi	Electrical engineering	The Journal of Supercomputing	2021	0920-8542	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-021-03695-7	SCI	
An orthogonal moth flame optimization for global optimization and application to model order reduction problem	Pradhan, Rosya Majhi, Santosh Kumarb; * Jaypuria, Jemaranib	Electrical engineering	Journal of Intelligent & Fuzzy Systems	2020	1064-1246	https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs179744	SCI	
Design of fractional order PID controller for heat flow system using hybrid particle swarm optimisation and gravitational search algorithm	Rosy Pradhan Santosh Kumar Majhi Bibhuti Bhusan Pati	Electrical engineering	International Journal of Computational Intelligence St	2019	1755-4977	https://www.inderscienceonline.com/loi/ijcistudies	https://www.inderscienceonline.com/doi/abs/10.1504/IJCISTUDIES.2019.098016	UGC	
A space transformational crow search algorithm for optimization problems	Santosh Kumar Majhi, Madhusmita Sahoo & Rosy Pradhan	Electrical engineering	Evolutionary Intelligence	2019	1864-5909	https://www.springer.com/journal/12065	https://link.springer.com/article/10.1007/s12065-019-00294-7	Scopus	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Performance Evaluation of PID Controller for an Automobile Cruise Control System using Ant Lion Optimizer	Rosy Pradhan Santosh Kumar Majhi Jatin Kumar Pradhan Bibhuti Bhusan Pati	Electrical engineering	Engineering Journal	2017	0125-8281	https://www.engi.org/index.php/ej/index	https://www.engi.org/index.php/ej/article/view/1580	Scopus
Oppositional Crow Search Algorithm with mutation operator for global optimization and application in designing FOPID controller	Santosh Kumar Majhi, Madhusmita Sahoo & Rosy Pradhan	Electrical engineering	Evolving Systems	2019	1868-6478	https://www.springer.com/journal/12530	https://link.springer.com/article/10.1007%2Fs12530-019-09305-5	SCI
Antlion optimizer tuned PID controller based on Bode ideal transfer function for automobile cruise control system	Rosy Pradhan Santosh Kumar Majhi Jatin Ku Pradhan Bibhuti Bhusan Pati	Electrical engineering	Journal of Industrial Information Integration	2018	2452-414X	https://www.sciencedirect.com/journal/journal-of-industrial-information-integration	https://www.sciencedirect.com/science/article/abs/pii/S2452414X17300055?casa_token=1XyRKRvGGuQAAAA:JhzX3pXd53ER2YHccOPbybm7Sb9jNzgb6bqg-YfjJZR22sVxa1gV5FQOpSFoZ5qeSpzt49fIMIR_w	SCI
A chaotic salp swarm algorithm based on quadratic integrate and fire neural model for function optimization	Santosh Kumar Majhi, Abhilash Mishra & Rosy Pradhan	Electrical engineering	Progress in Artificial Intelligence	2019	2192-6352	https://www.springer.com/journal/13748	https://link.springer.com/article/10.1007/s13748-019-00184-0	Scopus
Design of PID controller for automatic voltage regulator system using Ant Lion Optimizer	Rosy Pradhan , Santosh Kumar Majhi , Bibhuti Bhusan Pati	Electrical engineering	World Journal of Engineering	2018	1708-5284	https://www.emerald.com/insight/publication/issn/1708-5284	https://www.emerald.com/insight/content/doi/10.1108/WJE-05-2017-0102/full/html	Scopus
Optimal fractional order PID controller design using Ant Lion Optimizer	Rosy Pradhan, Santosh Kumar Majhi, Jatin Kumar Pradhan, Bibhuti Bhusan Pati	Electrical engineering	Ain Shams Engineering Journal	2019	2090-4479	https://www.sciencedirect.com/journal/ain-shams-engineering-journal	https://www.sciencedirect.com/science/article/pii/S2090447919301418	SCI
Fuzzy clustering using salp swarm algorithm for automobile insurance fraud detection	Majhi, Santosh Kumar; * Bhatacharya, Subho Pradhan, Rosy Biswal, Shubhra	Electrical engineering	Journal of Intelligent & Fuzzy Systems	2019	1064-1246	https://www.iospress.nl/journal/journal-of-intelligent-fuzzy-systems/	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs169944	SCI
An intelligent approach towards very short-term load forecasting	Uttamarani Pati, Papia Ray, Arvind R Singh	Electrical engineering	International Journal of Emerging Electric Power Systems	2021	1553-779X	https://www.degruyter.com/document/doi/10.1515/ijeeps-2021-0012/html	https://doi.org/10.1515/ijeeps-2021-0012	Scopus
Comparison between flexible AC transmission systems (FACTS) and filters regarding renewable energy systems harmonics mitigation	Mohamed Hamdy, Almoataz Y Abdelaziz, Papia Ray, Mahmoud A Attia	Electrical engineering	International Journal of Emerging Electric Power Systems	2021	1553-779X	https://www.degruyter.com/document/doi/10.1515/ijeeps-2020-0274/html	https://doi.org/10.1515/ijeeps-2020-0274	Scopus
Analysis and evaluation of two short-term load forecasting techniques	Saroj Kumar Panda, Papia Ray	Electrical engineering	International Journal of Emerging Electric Power Systems	2021	1553-779X	https://www.degruyter.com/document/doi/10.1515/ijeeps-2021-0051/html	https://doi.org/10.1515/ijeeps-2021-0051	Scopus
An Efficient Short-Term Electric Power Load Forecasting Using Hybrid Techniques	Saroj Kumar Panda, Papia Ray and Debani Prasad Mishra	Electrical engineering	Applied Intelligence, The International Journal of Rese	2020	1573-7497	https://link.springer.com/article/10.1007/s10489-020-01728-x	https://doi.org/10.1007/s10489-020-01728-x	SCI
Enhancing fault detection function in wind farm-integrated power network using Teaching Learning-Based Optimization technique	Prasad, Ch Durga, Monalisa Biswal, and Papia Ray	Electrical engineering	International Transactions on Electrical Energy Systems		2050-7038	https://onlinelibrary.wiley.com/doi/abs/10.1002/2050-7038.12735	https://doi.org/10.1002/2050-7038.12735	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Design and analysis of the ZDOF-PIDN-FOID controller for frequency regulation of the electric power systems	Prangya Mohanty, Rabindra Kumar Sahu, Pratap Chandra Pradhan & Sidhartha Panda	Electrical engineering	International Journal of Ambient Energy(Taylor&Frans	2021	2162-8246	https://doi.org/10.1080/01430750.2021.1909134	https://doi.org/10.1080/01430750.2021.1909134		
Energy, economic and environmental (3E) evaluation of a hybrid wind/biodiesel generator/tidal energy system using different energy storagedevices for sustainable power supply to an Indian archipelag	Rajib Lohan Dash, Banaja Mohanty, Prakash Kumar Hota,	Electrical engineering	Renewable Energy Focus	2023			https://doi.org/10.1016/j.ref.2023.01.004	Scopus	
Effective Load Frequency Control of Power System with Two-Degree Freedom Tilt-Integral-DerivativeBased on Whale Optimization Algorithm.	Sahu PR, Simhadri K, Mohanty B, Hota PK, Abdelaziz AY, Albalawi F, Ghoneim SSM, Elsisi M.	Electrical engineering	Sustainability .	2023	1515	https://doi.org/10.3390/su15021515			
Frequency Stability Analysis of Power System Using Competition Over Resources Technique Optimized PIDA Controller	Patel, S., Mohanty, B. & Simhadri, K.S	Electrical engineering	Iran J Sci Technol Trans Electr Engg	2022	57-75	https://doi.org/10.1007/s40998-021-00460-7			
Combined analysis on AGC and ELD of a hybrid power system with D-WCA designed Gaussian type-2 fuzzy controller	Baral, K.K., Sahu, P.C., Barisal, A. K.,Mohanty,B,	Electrical engineering	Evolving Systems	2022		https://doi.org/10.1007/s12530-022-09454-0			
Competition over resources optimized fuzzy TIDF controller for frequency stabilization of hybrid micro-grid system	Patel, S, Mohanty, B, Hasanien, HM.	Electrical engineering	Int Trans Electr Energ Syst	2020		https://doi.org/10.1002/2050-7038.12513			
Analysis of moth flame optimization optimized cascade proportional-integral-proportional-derivative controller with filter for automatic generation control system incorporating solar thermal power plant	B. V. S. Acharyulu, B. Mohanty, and P. K. Hota	Electrical engineering	Optim Control Appl Methods	2020		https://doi.org/10.1002/oca.2582			
CLSA-MRPID controller for automatic generation control of a three-area hybrid system,"	B. V. S. Acharyulu, P. K. Hota, and B. Mohanty	Electrical engineering	Energy Systems	2020		https://doi.org/10.1007/s12667-018-0305-9			
Performance analysis of dual-mode PI controller using quasi-oppositional whale optimization algorithm for load frequency control,	K. S. Simhadri and B. Mohanty,	Electrical engineering	Transactions on Electrical Energy Systems ,	2020		https://doi.org/10.1002/2050-7038.12159			
Hybrid flower pollination and pattern search algorithm optimized sliding mode controller for deregulated AGC system	B. Mohanty	Electrical engineering	J Ambient Intell Humaniz Comput	2020		https://doi.org/10.1007/s12652-019-01348-5			
Performance analysis of moth flame optimization algorithm for AGC system	B. Mohanty	Electrical engineering	international journal of modelling and simulation	2019		https://doi.org/10.1080/02286203.2018.1476799			

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Comparative performance analysis of 2DOF state feedback controller for automatic generation control using whale optimization algorithm,	K. S. Simhadri, B. Mohanty, and S. K. Panda	Electrical engineering	<i>Optim Control Appl Methods</i>	2019		https://doi.org/10.1002/oca.2462
Automatic generation control of multi-area solar-thermal power system using fruit-fly optimization algorithm,"	B. V. S. Acharyulu, P. K. Hota, and B. Mohanty	Electrical engineering	<i>International Journal of Engineering and Technology</i>	2018		https://doi.org/10.14419/ijet.v7i4.5.20009
Moth-flame optimization algorithm optimized dual-mode controller for multiarea hybrid sources AGC system	B. Mohanty, B. V. S. Acharyulu, and P. K. Hota	Electrical engineering	<i>Optim Control Appl Methods</i>	2018		https://doi.org/10.1002/oca.2373
A hybrid chemical reaction-particle swarm optimisation technique for automatic generation control	B. Mohanty and P. K. Hota	Electrical engineering	<i>Journal of Electrical Systems and Information Technol</i>	2018		https://doi.org/10.1016/j.iesit.2017.04.004
A teaching learning based optimization technique for optimal location and size of DG in distribution network	B. Mohanty and S. Tripathy	Electrical engineering	<i>Journal of Electrical Systems and Information Technol</i>	2016		https://doi.org/10.1016/j.iesit.2015.11.007
Automatic generation control of multi source power generation under deregulated environment	P. K. Hota and B. Mohanty	Electrical engineering	<i>International Journal of Electrical Power and Energy S</i>	2016		https://doi.org/10.1016/j.ijepes.2015.09.003
Comparative performance analysis of fruit fly optimisation algorithm for multi-area multisource automatic generation control under deregulated environment,"	B. Mohanty and P. K. Hota	Electrical engineering	<i>IET Generation, Transmission and Distribution</i>	2015		https://doi.org/10.1049/iet-gtd.2015.0284
TLBO optimized sliding mode controller for multi-area multi-source nonlinear interconnected AGC system,"	B. Mohanty	Electrical engineering	<i>International Journal of Electrical Power and Energy S</i>	2015		https://doi.org/10.1016/j.ijepes.2015.06.013
Differential evolution algorithm based automatic generation control for interconnected power systems with non-linearity,"	B. Mohanty, S. Panda, and P. K. Hota,	Electrical engineering	<i>Alexandria Engineering Journal</i>	2014		https://doi.org/10.1016/j.aei.2014.06.006
Controller parameters tuning of differential evolution algorithm and its application to load frequency control of multi-source power system,"	B. Mohanty, S. Panda, and P. K. Hota	Electrical engineering	<i>International Journal of Electrical Power and Energy S</i>	2014		https://doi.org/10.1016/j.ijepes.2013.06.029
Hybrid BFOA-PSO algorithm for automatic generation control of linear and nonlinear interconnected power systems,"	S. Panda, B. Mohanty, and P. K. Hota,	Electrical engineering	<i>Applied Soft Computing Journal</i>	2013		https://doi.org/10.1016/j.asoc.2013.07.021
A Survey of Different Techniques of Distribution Network Reconfiguration	Astamita Mishra, Manish Tripathy, Papia Ray	Electrical engineering	<i>Journal of Engineering Research</i>	2023		https://www.sciencedirect.com/science/article/pii/S2307187723002067 https://doi.org/10.1016/j.jer.2023.09.001
Modified Complete Ensemble Empirical Mode Decomposition based HIF detection approach for microgrid system	Monalisa Biswal, Ch. Durga Prasad , Papia Ray, Nand Kishor	Electrical Engineering	<i>International Journal of Electrical Power and Energy S</i>	2022		https://www.sciencedirect.com/science/article/pii/S0142061522002824 https://doi.org/10.1016/j.ijepes.2022.108254

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Bidirectional EV integration in home load energy management using swarm intelligence	S. Rout, G. R. Biswal	Electrical Engineering	International Journal of Ambient Energy	2022			scopus	
Integration of distributed generations by coordinating electric vehicle charging station in medium voltage network by Swarm intelligence	S. Rout, G. R. Biswal	Electrical Engineering	World Journal of Engineering, Emerald Publishing	2022			scopus	
Hosting capacity assessment of electric vehicles integration in active distribution system	S. Rout, G. R. Biswal	Electrical Engineering	Journal of Physics: Conference Series, IOP Publishing	2021			scopus	
https://drive.google.com/drive/folders/1C6W7ZwACW_DwiQx7gXhDDz0v2p-7aMwt?usp=drive_link	S PANDA Drive Link							
An Optimized Double-Integral-Sliding-Mode-Controller for a PV Microgrid	S.S. Pradhan, Raseswari Pradhan and B. Subudhi	Electrical Engineering	compel: the international journal for computation and	2021		https://www.emerald.com/insight/content/doi/10.1108/COMPEL-12-2020-0422/full/html	https://doi.org/10.1108/COMPEL-12-2020-0422	SCI/SCOPUS
<u>Comparative analysis of some remarkable islanding detection techniques in inverter-based distributed generation systems</u>	Bineeta Soreng, Raseswari Pradhan	Electrical Engineering	Electric Power Components and Systems	2021		https://www.tandfonline.com/doi/abs/10.1080/15325008.2021.2002478	https://doi.org/10.1080/15325008.2021.2002478	SCI/SCOPUS
Optimal controller design for an islanded microgrid during load change	Bineeta Soreng, Raseswari Pradhan	Electrical Engineering		2021		https://www.inderscienceonline.com/doi/abs/10.1504/IJGUC.2021.117847	https://doi.org/10.1504/IJGUC.2021.117847	
<u>An Optimal Islanding Detection Scheme for an Inverter-based Distribution Generation System</u>	Bineeta Soreng, Raseswari Pradhan	Electrical Engineering	Distributed Generation & Alternative Energy Journal	2021		https://journals.riverpublishers.com/index.php/DGAE/article/view/13579	https://doi.org/10.13052/dgaej2156-3306.3625	scopus
<u>A comparative Studies on different islanding detection methods for distributed generation systems</u>	Ashutosh Mohanty, Bidyadhar Rout, Raseswari Pradhan	Electrical Engineering	Energy Sources, Part A: Recovery, Utilization, and Envi	2023		https://www.tandfonline.com/doi/pdf/10.1080/15567036.2023.2186544	https://doi.org/10.1080/15567036.2023.2186544	SCI
<u>A Critical Analysis on Different High Impedance Fault Detection Schemes</u>	Sanjay Mondal, Raseswari Pradhan	Electrical Engineering	Electric Power Components and Systems	2023		https://www.tandfonline.com/doi/abs/10.1080/15325008.2023.2282185	https://doi.org/10.1080/15325008.2023.2282185	SCI
An Advanced IMC based Controller for a Three-Area-Multi-Machine Type Microgrid System	Kajal Sharma, Bibhudatta Mishra, Sangram Sekhar, Raseswari Pradhan	Electrical Engineering	Int. J. of System of Systems Engineering	2024		https://www.indersciencesubmissions.com/track/index.php?action=submissiondetails&intSubmissionId=169594	https://doi.org/10.1080/15325008.2023.2282185	SCOPUS
Productivity Growth and Policy Changes: A Decomposition Analysis of Indian Metallic Mining.	Auro Kumar Sahoo	Humanities	Journal of Public Affairs	2020	1479-1854	https://onlinelibrary.wiley.com/journal/14791854	https://onlinelibrary.wiley.com/doi/abs/10.1002/pa.2118	Scopus
Impact of Policy Reforms on the Productivity Growth of Indian Coal Mining: A Decomposition Analysis.	Auro Kumar Sahoo	Humanities	Resources Policy	2018	0301-4207	https://www.sciencedirect.com/journal/resources-policy	https://www.sciencedirect.com/science/article/abs/pii/S0301420718302940?via%3Dihub	Scopus
Determinants of Financial Inclusion in Tribal Districts of Odisha: An Empirical Investigation.	Auro Kumar Sahoo	Humanities	Social Change	2017	0049-0857	https://journals.sagepub.com/metrics/sch	https://journals.sagepub.com/doi/full/10.1177/0049085716683072	Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
The rising importance of Cross cultural communication in global business scenario	Prasanta kumar Padhi	Humanities	Journal of Research in Humanities and Social Science	2016	2321-9467	http://www.questjournals.org/jrhss/jrhss.html	http://www.questjournals.org/jrhss/papers/vol4-issue1/E412026.pdf	UGC listed
An Analysis of the Teaching Objectives of English for Communication Prescribed for Engineering Students Under Veer Surendra Sai University of Technology	Prasanta Kumar Padhi	Humanities	Researchers World	2017	2231- 4172	http://www.researchersworld.com/		UGC Listed
A Critical Interpretation of Black Humour in Charles Wright's The Messenger and The Wig	Prasanta Kumar Padhi	Humanities	International Journal of Recent Technology and Engin	2019	2277-3878	https://www.ijrte.org/	https://www.ijrte.org/wp-content/uploads/papers/v8i4/D5294118419.pdf	Scopus
A Journey of Africa through the Heart of Darkness by Joseph Conrad as an Outsider and Things Fall Apart by Chinua Achebe as an Insider	Prasanta Kumar Padhi, Avisek Pattanaik	Humanities	Journal of Critical Reviews	2020	2394-5125	http://www.icreview.com/	http://www.icreview.com/fulltext/197-1581322119.pdf?1616593009	Scopus
An Empirical Study of Robert Frost's Stopping by Woods on a Snowy Evening	Prasanta Kumar Padhi	Humanities	Our Heritage	2020	0474-9030	https://publons.com/journal/675598/our-heritage-ugc-care-listed-multidisciplinary-jou/		UGC care listed
Bridging the Self and its Identity Through the Works of Vikram Seth	Bidya Singh, Prasanta Kumar Padhi	Humanities	International Journal of Psychosocial Rehabilitation	2020	1475-7192	https://www.psychosocial.com/article/PR200945/11255/		
The Influence of Popular Culture in the Short Story Lihaaf by Ismat Chughtai	Bidya Singh	Humanities	Journal of The Gujarat Research Society	2019	0374-8588	http://gujaratresearchsociety.in/Index.php/JGRS/article/view/647		
The Tale of Woman as "Other" in Deshpande's Roots and Shadows and Atwood's The Handmaid's Tale	Bidya Singh	Humanities	International Journal of Research in Humanities, Arts	2018	2456-5571	http://www.bodhijournals.com/pdf/sp/November2018/Bodhi_V357.pdf		
THE JOURNEY TO THE HEART: A CRITICAL STUDY OF J.M. COETZEE'S DISGRACE IN TERMS OF RACIAL DESOLATION	Bidya Singh, Chandramani	Humanities	Journal of Higher Education & Research Society	2018	2349 0209	https://herso.org/vol-6-issue-1-april-2018/		
Impact of Mobile Phone on Sustainable Framing	Pradhan, R. and Beriha, G.S.	Humanities	Our Heritage	2020	0474-9030	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3540944		UGC care listed
Sustainable Adoption for Resolving Displacement Issues: Special Reference to Bhusan Steel Plant	Kumbhar, D., Rath, S.S. and Beriha, G.S.	Humanities	Journal of critical reviews	2020	2394-5125	www.icreview.com		Scopus
The Journey to the Heart: A Critical Study of J. M. Coetzee's Disgrace in Terms of Racial Desolation	Chandramani, Bidya Singh	Humanities	Journal of Higher Education & Research Society	2018	2349 0209	https://herso.org/vol-6-issue-1-april-2018/		PEER-REVIEWED
Masked Women and Myths in The Thousand Faces of Night	Chandramani	Humanities	Litinfinitive Journal	2020	2582-0400	https://journals.indexcopernicus.com/search/article?articleid=2715773		PEER-REVIEWED
Constructing Narratives in A Patriarchal Culture: The Case Of Kamala Das	Ashapura Dash	Humanities	Quest Journal	2018	2321-9467	http://www.questjournals.org/jrhss/papers/vol6-issue7/C06070811.pdf		

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years									
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years									
Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Women in Gandhian Philosophy: A Narrative Presentation in Nayantra Sahgal's Autobiographical Works	Ashapura Dash	Humanities	International Journal of Research	2019	2236-6124	http://ijrpublisher.com/gallery/127-february-2019.pdf			
Representing Racism in the Postcolonial World: A Narrative Presentation by Meena Alexander in Fault Lines	Ashapura Dash	Humanities	Journal of Rajasthan Association of Studies in English	2019	0975-3419	http://raseindia.com/journals/#rasejournal			
Presentation of the 'Self' in Early Indian English Autobiography: A Study of M.K.Gandhi's The Story of My Experiments with Truth	Ashapura Dash	Humanities	Our Heritage	2020	0474-9030	https://publons.com/journal/675598/our-heritage-ugc-care-listed-multidisciplinary-jou/			
Culture, Exploitation and Nature in Conrad's Heart of Darkness	Chandramani	Humanities	Journal of Higher Education and Research Society: A R	2020	2582-0400	https://herso.org/vol-8-issue-2-october-2020/			PEER-REVIEWED
Women, Legacy and Hyphenated Identity in Bapsi Sidhwa's Ice Candy Man and Deepa Mehta's 1947: Earth	Chandramani	Humanities	JAC: A Journal of Composition Theory (JCT)	2020	0731-6755	http://www.jctjournal.com/gallery/23-mar2020.pdf			SCOPUS
Deconstructing 'Nari tu Narayani' (The Flickering Hope of the Marginalised Women): A Postcolonial Overview of My Story	Chandramani	Humanities	Journal of The Gujarat Research Society	2019	0374-8588	https://gujaratresearchsociety.in/index.php/JGRS/article/view/650			UGC CARE LISTED
Detachment from Reality: A Study of Woman-Heroes in Margaret Atwood's The Edible Woman and Lady Oracle	Chandramani	Humanities	International Journal of English Language, Literature i	2019	2321-7065	https://ijelh.com/OJS/index.php/OJS/article/view/6611			PEER-REVIEWED
Shuffling between the Courts of Metaphor and Metonym	Jayaprakash Paramguru	Humanities	Langlit	2018	2349-5189	https://www.langlit.org/issues/			
Redefining the Lost Memory A Study of Selected Biopic in Indian Cinema	Jayaprakash Paramguru	Humanities	The creative Launcher	2018	2455-6580	https://www.thecreativelauncher.com/			
Regional and subregional analyses of macroeconomic policy strategies for growth and equality in Southern Africa.	Auro Kumar Sahoo	Humanities	UNU-WIDER working paper	2020	1798-7237	https://doi.org/10.35188/UNU-WIDER/2020/933-4	https://doi.org/10.35188/UNU-WIDER/2020/933-4		PEER-REVIEWED
Sources of output growth in the countries of the Common Monetary Area and provinces of South Africa	Auro Kumar Sahoo	Humanities	UNU-WIDER working paper	2021	1798-7237	https://doi.org/10.35188/UNU-WIDER/2021/969-3	https://doi.org/10.35188/UNU-WIDER/2021/969-3		PEER-REVIEWED
Writing Autobiography: A Postcolonial Practice by Indian Women	Ashapura Dash	Humanities	Asia Pacific Journal of Research	2018	2347-4793	http://www.apjor.com/archives_details.php?id=012018			
Searching Identity through language in the postcolonial world: A Study of Meena Alexander's Life Narratives	Ashapura Dash	Humanities	Asia Pacific Journal of Research	2018	2347-4793	http://www.apjor.com/archives_details.php?id=022018			
The Crumbling of Identity and Cultural Imbalance: A Diasporic Study of Amit Chaudhuri's Afternoon Raag	Jayadeepa Sahoo, Jayaprakash Paramaguru	Humanities	Mazedan Journal of Language and Literature	2021	2583-9564	https://mazedan.com/mdl/uploads/MILL02020002%284-7%29.pdf	https://mazedan.com/mdl/uploads/MILL02020002%284-7%29.pdf		PEER-REVIEWED
Challenges of Teaching English as a Second Language in India and the Role of Literature: Problems and Perspectives	Jayadeepa Sahoo, Jayaprakash Paramaguru	Humanities	International Journal of Language, Literature and Cult	2022	2582-9823	https://aipublications.com/ijllc/detail/challenges-of-teaching-english-as-a-second-language-in-india-and-the-role-of-literature-problems-and-perspectives/	https://aipublications.com/ijllc/detail/challenges-of-teaching-english-as-a-second-language-in-india-and-the-role-of-literature-problems-and-perspectives/		PEER-REVIEWED

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Decomposition of climate-induced productivity growth in Indian agriculture	Auro Kumar Sahoo	Humanities	Environmental Challenges	2022	2667-0100	https://www.journals.elsevier.com/environmental-challenges	https://www.sciencedirect.com/science/article/pii/S2667010022000543	Scopus
Voice of the Marginals in the Novels of Anna Bhau Sathe's Fakira and Bama's Karukku	Chandramani	Humanities	Cape Comorin: An International Multidisciplinary Dou	2022	2582-1962	https://capecomorinjournal.org.in/	https://capecomorinjournal.org.in/Special-issue-view?Id=24	PEER-REVIEWED
Life Skills Through English	Prasanta Kumar Padhi	Humanities	Our Heritage	2020	0474-9030	https://publons.com/journal/675598/our-heritage-ugc-care-listed-multidisciplinary-jou/		PEER-REVIEWED
Neopagan and Reconstructionist Spirituality and Religion in Australia	M. Atshvarya, Prasanta Kumar Padhi	Humanities	Kala: Journal of Indian Art History Congress	2020	0975-7945	https://indianculture.gov.in/union-catalogue/kala-journal-indian-art-history-congress-4		PEER-REVIEWED
Diasporic love and identity: The case of displaced during the Partition	Bidya Singh, Prasanta Kumar Padhi	Humanities	Turkish Online Journal of Qualitative Inquiry	2021	6072-6077	https://www.tojqi.net/index.php/journal/article/view/2649	https://www.tojqi.net/index.php/journal/article/view/2649	scopus
Integrating Soft Skill Training in Professional Courses for Sustainable Employment: An overview	Prasanta Kumar Padhi et. al.	Humanities	BOHR International Journal of Social Science and Hum	2022	2583-8946	https://www.bohrpub.com/article/BUSSHR-Article-4.pdf	https://www.bohrpub.com/article/BUSSHR-Article-4.pdf	PEER-REVIEWED
<i>Narrating Partition in Non-fiction Narrative: A Study of Nayantara Sahgal's From Fear Set Free</i>	Ashapurna Dash	Humanities	Studies in Indian Place Names	2020	2394-3114	https://tpsindia.org/index.php/sign/article/view/2392		
Shifting roles of Women through the Lens of Indian Popular Media	Prasanta Kumar Padhi	Humanities	International Journal of Social Sciences and Humanitie	2023	2349-2031	https://valleyinternational.net/	https://valleyinternational.net/index.php/thejsshi/article/view/384	
Representing Identity as Fragmented in the Post-colonial Context: A Study of Meena Alexander's Autobiographical Texts	Ashapurna Dash	Humanities	New Literaria	2021	2582-7375	https://newliteraria.com/articles/v02i1/abs-v02i1-30.pdf		
A Microscopic Study on the Evolution of Life writing by Indian Women: The case of three woman writers Nayantara Sahgal, Kamala Das and Meena Alexander	Ashapurna Dash	Humanities	LangLit	2021	2349-5189	https://langlit.org/volume-7-issue-3/		
Writing Autobiography is an art to Spill the Beans for Women: A study of Kamala Das's Life Narratives	Ashapurna Dash	Humanities	LangLit	2021	2349-5189	https://www.langlit.org/volume-7-issue-4/		
Alienation from Homeland, Rootlessness, Memory: Investigating Diasporic Experience in selected Poems of Agha Shahid Ali	Ashapurna Dash	Humanities	The Criterion	2022	0976-8165	https://www.the-criterion.com/v13/n3/IN10.pdf		
The loss of Innocence: Investigating the vision of the condition of children in William Blake's selected poems	Ashapurna Dash	Humanities	LangLit	2022	2349-5189	https://www.langlit.org/volume-8-issue-3/		
Does Gender Equality Influence Climate Change in Emerging Market Economies?	Auro Kumar Sahoo	Humanities	Asian Economics Letters	2023	2652-8681	https://a-e-1.scholasticahq.com/article/74952		
How climate-included variations in crop yields affect migration in India	Auro Kumar Sahoo	Humanities	International Journal of Social Economics	2023	0306-8293	https://www.emerald.com/insight/content/doi/10.1108/IJSE-10-2022-0710/full/html		Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
Heterogeneous climate effect on crop yield and associated risks to water security in India	Auro Kumar Sahoo	Humanities	International Journal of Water Resources Development	2023	1360-0648	https://www.tandfonline.com/doi/full/10.1080/07900627.2023.2244086	Scopus
Seasonal Weather Sensitivity of Staple Crop Rice in South India	Auro Kumar Sahoo	Humanities	Proceedings on Water Energy Food and Sustainability	2022	9783-031-26848-9	https://link.springer.com/chapter/10.1007/978-3-031-26849-6_15	
The Linguistic basis of second language learning	Jayaprakash Paramguru	Humanities	Quest Journals	2021	2321-9467	https://www.questjournals.org/rhss/papers/vol9-issue9/Ser-4/L09097679.pdf	
See the unseen: A Critical Analysis of Ekphrasis Poems	Jayaprakash Paramguru	Humanities	Langlit	2021	2349-5189	https://drive.google.com/file/d/14P-iRTODUckd7IdqisIbMy6Vj-oWNeCZ/view	
A Symbiosis of memory and Identity in the Selected Works of Kazuo Ishiguro	Jayaprakash Paramaguru	Humanities	Iosr Journal of Humanities	2022	2664-8725	https://www.englishjournal.net/archives/2022/v4.i1.A.13/a-symbiosis-of-memory-and-identity-in-the-selected-works-of-kazuo-ishiguro	
Disability in the First World War English Poetry: An LDS Approach	Jayaprakash Paramaguru	Humanities	iosr journal of Humanities	2021	2279-0845	https://www.iosrjournals.org/iosr-jhss/papers/Vol.26-Issue1/Series-1/k2601017377.pdf	
From Wasteland to Wonderland	Jayaprakash paramaguru	Humanities	Quest Journals	2021	2321-9467	https://www.questjournals.org/rhss/papers/vol9-issue5/Ser-6/I09055862.pdf	
Politics of Intention and Poetics of Rhetorocity: A combinatory Exercise in the Select Works of V S Naipaul	Jayaprakash Paramaguru	Humanities	LANGLIT	2022	2349-6189		
The Crumbling of Identity and Cultural imbalance: A Diasporic Study of Amit Choudhury'r Afternoon Raag.	Jayaprakash Paramaguru	Humanities	MULL	2021	2583-9564		
Challenges of Teaching English as a Second language in India and The Role of Literature: Problems and Perspective.	Jayaprakash Paramaguru	Humanities	IJLLC	2022	2582-9823	https://www.academia.edu/73956557/Challenges_of_Teaching_English_as_a_Second_Language_in_India_and_the_Role_of_Literature_Problems_and_Perspectives	
Bridging the Self and its Identity Through the Works of Vikram Seth	Bidya Singh, PK Padhi	Humanities	International Journal of Psychosocial Rehabilitation,	2020	1978-82	https://www.psychosocial.com/archives/volume%2024/Issue%203/11255	
	Bidya Singh, PK Padhi	Humanities	Turkish Online Journal of Qualitative Inquiry	2021	6272-77	https://www.tojqi.net/index.php/journal/article/view/2649/1766	
Integrating Soft Skill Training in Professional Courses for Sustainable Employment: An overview	PK Padhi, Et al	Humanities	BOHR International Journal of Social Science and Hum	2022	17-24	https://www.bohrpub.com/journals/BIJSSHR/BIJSSHR_20221104	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Shifting roles of Women through the Lens of Indian Popular Media	PK Padhi, Et al	Humanities	International Journal of Social Sciences and Humanitie	2023	7742-48	https://valleyinternational.net/index.php/theijsshi/article/view/3840		
Extreme learning with metaheuristic optimization for exchange rate forecasting	KK Sahu, SC Nayak, HS Behera	KK Sahu, SC Nayak, HS Behera	International Journal of Swarm Intelligence Research	2022	1-25	https://www.igi-global.com/article/extreme-learning-with-metaheuristic-optimization-for-exchange-rate-forecasting/295099	10.4018/IJSIR.295099	SCOPUS/SCI
Multi-step-ahead exchange rate forecasting for South Asian countries using multi-verse optimized multiplicative functional link neural networks	KK Sahu, SC Nayak, HS Behera	KK Sahu, SC Nayak, HS Behera	Karbala International Journal of Modern Science	2021		https://www.iasj.net/iasj/download/375fdb70419f7476		
Informatics in Medicine Unlocked Medical disease analysis using Neuro-Fuzzy with Feature Extraction Model for classification,	H. Das, B. Naik, and H. S. Behera,	Information Technology	Informatics Med. Unlocked	2020			10.1016/j.imu.2019.100288,,	SCOPUS/SCI
Journal of King Saud University – Computer and Biomedical data analysis using neuro-fuzzy model with post-feature reduction,	H. Das, B. Naik, H. S. Behera, S. Jaiswal, P. Mahata, and M. Rout,	Information Technology	J. King Saud Univ. - Comput. Inf. Sci.	2020			10.1016/j.jksuci.2020.01.007,,	SCOPUS/SCI
Informatics in Medicine Unlocked Corrigendum ‘ Medical disease analysis using neuro-fuzzy with feature extraction model for classification ’ [Inf Med Unlocked 18 (2020) ,	H. Das, B. Naik, and H. S. Behera,	Information Technology	Informatics Med. Unlocked	2020			10.1016/j.imu.2020.100299.	SCOPUS/SCI
A study on leading machine learning techniques for high order fuzzy time series forecasting,	S. Panigrahi and H. S. Behera,	Information Technology	Eng. Appl. Artif. Intell.	2020			10.1016/j.engappai.2019.103245.	SCOPUS/SCI
Role of intelligent computing in COVID-19 prognosis: A state-of-the-art review,	H. Swapnarekha, H. S. Behera, J. Nayak, and B. Naik,	Information Technology		2020			10.1016/j.chaos.2020.109947.	SCOPUS/SCI
Correction to: High-Order Fuzzy Time Series Forecasting by Using Membership Values Along with Data and Support Vector Machine (Arabian Journal for Science and Engineering, (2020), 10.1007/s13369-020-04721-1),	R. M. Pattanayak, S. Panigrahi, and H. S. Behera,	Information Technology	Arabian Journal for Science and Engineering	2020			10.1007/s13369-020-04772-4.	SCOPUS/SCI
A Hybrid Neuro-Fuzzy and Feature Reduction Model for Classification,	H. Das, B. Naik, and H. S. Behera,	Information Technology	Adv. Fuzzy Syst.	2020			10.1155/2020/4152049,,	SCOPUS/SCI
A Jaya algorithm based wrapper method for optimal feature selection in supervised classification,	H. Das, B. Naik, and H. S. Behera,	Information Technology	J. King Saud Univ. - Comput. Inf. Sci.	2020			10.1016/j.jksuci.2020.05.002,,	SCOPUS/SCI
Advancement from neural networks to deep learning in software effort estimation: Perspective of two decades,	P. S. Kumar, H. S. Behera, K. Anisha Kumari, J. Nayak, and B. Naik,	Information Technology	Computer Science Review	2020			10.1016/j.cosrev.2020.100288,,	SCOPUS/SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
High - Order Fuzzy Time Series Forecasting by Using Membership Values Along with Data and Support Vector Machine,	R. Mohan, P. Sibarama, and P. H. S. Behera,	Information Technology	Arab. J. Sci. Eng.	2020			10.1007/s13369-020-04721-1...	SCOPUS/SCI	
High-Order Fuzzy Time Series Forecasting by Using Membership Values Along with Data and Support Vector Machine,	R. M. Pattanayak, S. Panigrahi, and H. S. Behera,	Information Technology	Arab. J. Sci. Eng.	2020			10.1007/s13369-020-04721-1.	SCOPUS/SCI	
Time Series Forecasting Using Differential Evolution-Based ANN Modelling Scheme,	S. Panigrahi and H. S. Behera,	Information Technology	Arab. J. Sci. Eng.	2020			10.1007/s13369-020-05004-5.	SCOPUS/SCI	
A Higher Order Neuro-Fuzzy Time Series Forecasting Model Based on Un-equal Length of Interval,	R. M. Pattanayak, H. S. Behera, and R. K. Rath,	Information Technology		2020				SCOPUS/SCI	
Fuzzy Time Series Forecasting: A Survey,	S. Panigrahi and H. S. Behera,	Information Technology	in Advances in Intelligent Systems and Computing	2020				SCOPUS/SCI	
A Multi-step-Ahead Fuzzy Time Series Forecasting by Using Hybrid Chemical Reaction Optimization with Pi-Sigma Higher-Order Neural Network,	R. M. Pattanayak, H. S. Behera, and S. Panigrahi,	Information Technology	in Advances in Intelligent Systems and Computing	2020				SCOPUS/SCI	
Towards Designing and Performance Analysis of Evolving Higher Order Neural Networks for Modeling and Forecasting Exchange Rate Time Series Data,	K. K. Sahu, S. C. Nayak, and H. S. Behera,	Information Technology	in Lecture Notes in Electrical Engineering	2020		https://link.springer.com/chapter/10.1007/978-3-030-30577-2_22	https://link.springer.com/chapter/10.1007/978-3-030-30577-2_22	SCOPUS/SCI	
An Experimental Analysis of Machine Learning Classification Algorithms on Biomedical Data,	H. Das, B. Naik, and H. S. Behera,	Information Technology	in Lecture Notes in Electrical Engineering	2020				SCOPUS/SCI	
Deep neural network based anomaly detection in Internet of Things network traffic tracking for the applications of future smart cities,	D. K. Reddy, H. S. Behera, J. Nayak, P. Vijayakumar, B. Naik, and P. K. Singh,	Information Technology	Trans. Emerg. Telecommun. Technol.	2020			10.1002/ett.4121.,	SCOPUS/SCI	
Estimating Software Effort Using Neural Network: An Experimental Investigation,	P. Suresh Kumar and H. S. Behera,	Information Technology	in Computational Intelligence in Pattern Recognition	2020				SCOPUS/SCI	
Role of Soft Computing Techniques in Software Effort Estimation: An Analytical Study,	P. Suresh Kumar and H. S. Behera,	Information Technology	in Computational Intelligence in Pattern Recognition	2020			10.1007/978-981-13-9042-5_70...	SCOPUS/SCI	
A Higher Order Neuro-Fuzzy Time Series Forecasting Model Based on Un-equal Length of Interval,	R. M. Pattanayak, H. S. Behera, and R. K. Rath,	Information Technology		2020				SCOPUS/SCI	
Forecasting currency exchange rate time series with fireworks-algorithm-based higher order neural network with special attention to training data enrichment,	K. K. Sahu, S. C. Nayak, and H. S. Behera,	Information Technology	Comput. Sci.	2020		https://journals.agh.edu.pl/csci/article/view/3474	10.7494/csci.2020.21.4.3474.	SCOPUS/SCI	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Forecasting currency exchange rate time series with fireworks-algorithm-based higher order neural network with special attention to training data enrichment,	K. K. Sahu, S. C. Nayak, and H. S. Behera,	Information Technology	Comput. Sci.	2020		10.7494/csci.2020.21.4.3474.	SCOPUS/SCI	
Pi-Sigma Neural Network: Survey of a Decade Progress,	H. Swapna Rekha, J. Nayak, and H. S. Behera,	Information Technology	in Advances in Intelligent Systems and Computing	2020		10.1007/978-981-15-2449-3_37.,	SCOPUS/SCI	
Software Effort Estimation Using Particle Swarm Optimization: Advances and Challenges,	D. K. K. Reddy and H. S. Behera,	Information Technology	in Advances in Intelligent Systems and Computing	2020		10.1007/978-981-15-2449-3_20.,	SCOPUS/SCI	
Disease Classification Using Linguistic Neuro-Fuzzy Model,	H. Das, B. Naik, and H. S. Behera,	Information Technology	Springer Singapore	2020			SCOPUS/SCI	
A Novel Hybrid Differential Evolution-PSNN for Fuzzy Time Series Forecasting,	R. M. Pattanayak, H. S. Behera, and S. Panigrahi,	Information Technology	in Advances in Intelligent Systems and Computing	2020		10.1007/978-981-13-8676-3_57.,	SCOPUS/SCI	
ACFLN: artificial chemical functional link network for prediction of stock market index,	S. C. Nayak, B. B. Misra, and H. S. Behera,	Information Technology	Evol. Syst.	2019		10.1007/s12530-018-9221-4.	SCOPUS/SCI	
Efficient financial time series prediction with evolutionary virtual data position exploration,	S. C. Nayak, B. B. Misra, and H. S. Behera,	Information Technology	Neural Comput. Appl.	2019		10.1007/s00521-017-3061-1.	SCOPUS/SCI	
Nonlinear time series forecasting using a novel self-adaptive TLBO-MFLANN model,	S. Panigrahi and H. S. Behera,	Information Technology	Int. J. Comput. Intell. Stud.	2019		10.1504/IJCI STUDIES. 2019.10019170.	SCOPUS/SCI	
An Adaptive Fuzzy Filter-Based Hybrid ARIMA-HONN Model for Time Series Forecasting,	S. Panigrahi and H. S. Behera,	Information Technology	in Advances in Intelligent Systems and Computing	2019			SCOPUS/SCI	
Chemical Reaction Optimization: A Survey with Application and Challenges,	J. Nayak et al.,	Information Technology	in Advances in Intelligent Systems and Computing	2018			SCOPUS/SCI	
Classification of Diabetes Mellitus Disease (DMD): A Data Mining (DM) Approach,	H. Das, B. Naik, and H. S. Behera,	Information Technology		2018			SCOPUS/SCI	
Higher Order Neural Network and Its Applications: A Comprehensive Survey,	R. M. Pattanayak and H. S. Behera,	Information Technology		2018			SCOPUS/SCI	
A Fuzzy Filter Based Hybrid ARIMA-ANN Model for Time Series Forecasting,	S. Panigrahi, H. S. Behera, and A. Abraham,	Information Technology	in Advances in Intelligent Systems and Computing	2018			SCOPUS/SCI	
Time Series Forecasting using a hybrid Jaya-FLANN model,	S. Panigrahi and H. S. Behera,	Information Technology	in 2018 International Conference on Recent Innovatio	2018		10.1109/ICRIEECE44171. 2018.9008916.,	SCOPUS/SCI	
Elitist teaching-learning-based optimization (ETLBO) with higher-order Jordan Pi-sigma neural network: a comparative performance analysis,	J. Nayak, B. Naik, H. S. Behera, and A. Abraham,	Information Technology	Neural Comput. Appl.	2018		10.1007/s00521-016-2738-1.	SCOPUS/SCI	
A hybrid elitist teaching learning based optimization with fuzzy c-means (ETLBO-FCM) algorithm for data clustering,	J. Nayak, B. Naik, D. P. Kanungo, and H. S. Behera,	Information Technology	Ain Shams Eng. J.	2018		10.1016/j.asej.2016.01.010.	SCOPUS/SCI	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A TLBO based gradient descent learning-functional link higher order ANN: An efficient model for learning from non-linear data,	B. Naik, J. Nayak, and H. S. Behera,	Information Technology	J. King Saud Univ. - Comput. Inf. Sci.	2018			10.1016/j.jksuci.2016.01.001.	SCOPUS/SCI
Automated Plant Recognition System with Geographical Position Selection for Medicinal Plants	Biswaranjan Achrya, Ahona Ghosh,Sucheta Panda and Yu-Chen Hu	Dr.Sucheta Panda, Computer App	Hindawi , Scopus, Advances in Multimedia	2023	1687-5680	https://www.hindawi.com/journals/am/2023/3974346/		
Color and Texture Segmentation Using an Unified MRF Model	Sucheta Panda, P.K.Nanda	Dr.Sucheta Panda, Computer App	Journal of Computer and Communications	2022	2327-5227	https://www.scirp.org/pdf/jcc_2022062915460307.pdf		
An Integrated Double Hybrid Fusion Approach for Image Smoothing", International Journal of Image and Graphics	Anchal Kumawat and Sucheta Panda	Dr.Sucheta Panda, Comput	International Journal of Image and Graphics, World Sc	2023	1793-6756	https://www.worldscientific.com/doi/10.1142/S0219467823500031		
Optimal path planning of Multi-robot in Dynamic environment Using Hybridization of meta-heuristic algorithm	H.K.Paikray, P.K.Das and Sucheta Panda	Dr.Sucheta Panda, Comput	International Journal of Intelligent Robotics and Appli	2022	2366-598X	https://link.springer.com/article/10.1007/s41315-022-00256-w		
Noisy Iris Smoothing And Segmentation Scheme Based On Improved Wildes Method	Anchal Kumawat and Sucheta Panda	Dr.Sucheta Panda, Comput	Multidimensional Systems and Signal Processing, Sprin	2022	1573-0824	https://link.springer.com/article/10.1007/s11045-022-00852-w		
Fusion of intelligent learning for COVID-19: A state-of-the-art review and analysis on real medical data	Ding, Weiping, Janmenjoy Nayak, H. Swapnarekha, Ajith Abraham, Bighnaraj Naik, and Danilo Pelusi	Dr. Bighnaraj Naik, Comput	Neurocomputing	2021	0925-2312	https://www.journals.elsevier.com/neurocomputing	https://www.sciencedirect.com/science/article/pii/S0925231221009280	SCI/SCIE
Exact greedy algorithm based split finding approach for intrusion detection in fog-enabled IoT environment	Reddy, Dukka Karun Kumar, H. S. Behera, Janmenjoy Nayak, Bighnaraj Naik, Uttam Ghosh, and Pradip Kumar Sharma	Dr. Bighnaraj Naik, Comput	Journal of Information Security and Applications	2021	2214-2126	https://www.journals.elsevier.com/journal-of-information-security-and-applications	https://www.sciencedirect.com/science/article/pii/S2214212621000971	SCI/SCIE
Hyper-parameter tuned light gradient boosting machine using memetic firefly algorithm for hand gesture recognition	Nayak, Janmenjoy, Bighnaraj Naik, Pandit Byomakesha Dash, Alireza Souri, and Vimal Shanmuganathan	Dr. Bighnaraj Naik, Comput	Applied Soft Computing	2021	1568-4946	https://www.journals.elsevier.com/applied-soft-computing	https://www.sciencedirect.com/science/article/pii/S1568494621004014	SCI/SCIE
Bootstrap aggregation ensemble learning-based reliable approach for software defect prediction by using characterized code feature	Kumar, P. Suresh, H. S. Behera, Janmenjoy Nayak, and Bighnaraj Naik	Dr. Bighnaraj Naik, Comput	Innovations in Systems and Software Engineering	2021	1614-5054	https://www.springer.com/journal/11334	https://link.springer.com/article/10.1007/s11334-021-00399-2	Scopus
Higher order ANN parameter optimization using hybrid opposition-elitism based metaheuristic	Naik, Bighnaraj, Janmenjoy Nayak, and Pandit Byomakesha Dash	Dr. Bighnaraj Naik, Comput	Evolutionary Intelligence	2021	1864-5917	https://www.springer.com/journal/12065	https://link.springer.com/article/10.1007/s12065-021-00610-0	Scopus
Generation of overlapping clusters constructing suitable graph for crime report analysis	Das, Ankur, Janmenjoy Nayak, Bighnaraj Naik, and Uttam Ghosh.	Dr. Bighnaraj Naik, Comput	Future Generation Computer Systems	2021	0167-739X	https://www.sciencedirect.com/journal/future-generation-computer-systems	https://www.sciencedirect.com/science/article/pii/S0167739X21000376	SCI/SCIE
Follower Link Prediction Using the XGBoost Classification Model with Multiple Graph Features	Behera, Dayal Kumar, Madhabananda Das, Subhra Swetanisha, Janmenjoy Nayak, S. Vimal, and Bighnaraj Naik	Dr. Bighnaraj Naik, Comput	Wireless Personal Communications	2021	0929-6212	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-021-08399-y	SCI/SCIE

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Optimal Fuzzy Cluster Partitioning by Crow Search Meta-Heuristic for Biomedical Data Analysis	Nayak, Janmenjoy, Bighnaraj Naik, Pandit Byomakesha Dash, and Danilo Pelusi	Dr. Bighnaraj Naik, Comput	International Journal of Applied Metaheuristic Comput	2021	1947-8283	https://www.igi-global.com/journal/international-journal-applied-metaheuristic-computing/1139	https://www.igi-global.com/article/optimal-fuzzy-cluster-partitioning-by-crow-search-meta-heuristic-for-biomedical-data-analysis/274310	Scopus
Significance of deep learning for Covid-19: state-of-the-art review	Nayak, Janmenjoy, Bighnaraj Naik, Paidi Dinesh, Kanithi Vakula, Pandit Byomakesha Dash, and Danilo Pelusi	Dr. Bighnaraj Naik, Comput	Research on Biomedical Engineering	2022	2446-4740	https://www.springer.com/journal/42600	https://link.springer.com/article/10.1007/s42600-021-00135-6	Scopus
Optimal Selection of Features Using Artificial Electric Field Algorithm for Classification	Das, Himansu, Bighnaraj Naik, and H. S. Behera	Dr. Bighnaraj Naik, Comput	Arabian Journal for Science and Engineering	2021	2191-4281	https://www.springer.com/journal/13369	https://link.springer.com/article/10.1007/s13369-021-05486-x	SCI/SCIE
Covid CT-net: A deep learning framework for COVID-19 prognosis using CT images	Swapnarekha, H., Himansu Sekhar Behera, Janmenjoy Nayak, and Bighnaraj Naik	Dr. Bighnaraj Naik, Comput	Journal of Interdisciplinary Mathematics	2021	0972-0502	https://www.tandfonline.com/toc/tijm20/current	https://www.tandfonline.com/doi/abs/10.1080/09720502.2020.1857905	Scopus
An impact study of COVID-19 on six different industries: Automobile, energy and power, agriculture, education, travel and tourism and consumer electronics	Nayak, Janmenjoy, Manohar Mishra, Bighnaraj Naik, Hanumanthu Swapnarekha, Korhan Cengiz, and Vimal Shanmuganathan	Dr. Bighnaraj Naik, Comput	Expert systems	2021	1468-0394	https://onlineibrary.wiley.com/journal/14680394	https://onlineibrary.wiley.com/doi/full/10.1111/essy.12677	SCI/SCIE
Deep belief network-based probabilistic generative model for detection of robotic manipulator failure execution	Dash, Pandit Byomakesha, Bighnaraj Naik, Janmenjoy Nayak, and S. Vimal.	Dr. Bighnaraj Naik, Comput	Soft Computing	2021	1433-7479	https://www.springer.com/journal/500	https://link.springer.com/article/10.1007/s00500-021-05572-0	SCI/SCIE
Intelligent system for COVID-19 prognosis: A state-of-the-art survey	Nayak, Janmenjoy, Bighnaraj Naik, Paidi Dinesh, Kanithi Vakula, B. Kameswara Rao, Weiping Ding, and Danilo Pelusi	Dr. Bighnaraj Naik, Comput	Applied Intelligence	2021	1573-7497	https://www.springer.com/journal/10489	https://link.springer.com/article/10.1007/s10489-020-02102-7	SCI/SCIE
SEM: Stacking Ensemble Meta-Learning for IOT Security Framework	Mishra, Debasmita, Bighnaraj Naik, Pandit Byomakesha Dash, and Janmenjoy Nayak	Dr. Bighnaraj Naik, Comput	Arabian Journal for Science and Engineering	2021	2191-4281	https://www.springer.com/journal/13369	https://www.springerprofessional.de/en/sem-stacking-ensemble-meta-learning-for-iot-security-framework/18732130	SCI/SCIE
Probabilistic Neural Network-based Model for Identification of Parkinson's Disease by using Voice Profile and Personal Data	Vital, T. Pandu Ranga, Janmenjoy Nayak, Bighnaraj Naik, and D. Jayaram	Dr. Bighnaraj Naik, Comput	Arabian Journal for Science and Engineering	2021	2191-4281	https://www.springer.com/journal/13369	https://link.springer.com/article/10.1007/s13369-020-05080-7	SCI/SCIE
Deep learning and wavelet transform integrated approach for short-term solar PV power prediction	Manohar Mishra, Pandit Byomakesha Dash, Janmenjoy Nayak, Bighnaraj Naik, Subrat Kumar Swain	Dr. Bighnaraj Naik, Comput	Measurement	2020	0263-2241	https://www.sciencedirect.com/science/article/abs/pii/S0263224120307892	https://www.sciencedirect.com/science/article/abs/pii/S0263224120307892	SCI/SCIE
Deep learning in electrical utility industry: A comprehensive review of a decade of research	Manohar Mishra, Janmenjoy Nayak, Bighnaraj Naik, Ajith Abraham	Dr. Bighnaraj Naik, Comput	Engineering Applications of Artificial Intelligence	2020	0952-1976	https://www.sciencedirect.com/science/article/abs/pii/S0952197620302943	https://www.sciencedirect.com/science/article/abs/pii/S0952197620302943	SCI/SCIE
Intelligent food processing: Journey from artificial neural network to deep learning	Janmenjoy Nayak, Kanithi Vakula, Paidi Dinesh, Bighnaraj Naik, Danilo Pelusi	Dr. Bighnaraj Naik, Comput	Computer Science Review	2020	1574-0137	https://www.sciencedirect.com/science/article/abs/pii/S157401372030397X	https://www.sciencedirect.com/science/article/abs/pii/S157401372030397X	SCI/SCIE
Advancement from neural networks to deep learning in software effort estimation: Perspective of two decades	P Suresh Kumar, HS Behera, Anisha Kumari, Janmenjoy Nayak, Bighnaraj Naik	Dr. Bighnaraj Naik, Comput	Computer Science Review	2020	1574-0137	https://www.sciencedirect.com/science/article/abs/pii/S1574013720303889	https://www.sciencedirect.com/science/article/abs/pii/S1574013720303889	SCI/SCIE

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years								
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years								
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Role of intelligent computing in COVID-19 prognosis: A state-of-the-art review	H Swapnarekha, Himansu Sekhar Behera, Janmenjoy Nayak, Bighnaraj Naik	Dr. Bighnaraj Naik, Comput	Chaos, Solitons & Fractals	2020	0960-0779	https://www.sciencedirect.com/science/article/pii/S0960077920303465	https://www.sciencedirect.com/science/article/pii/S0960077920303465	SCI/SCIE
Fuzzy and Real Coded Chemical Reaction Optimization for Intrusion Detection in Industrial Big Data Environment	Weiping Ding, Janmenjoy Nayak, Bighnaraj Naik, Danilo Pelusi, Manohar Mishra	Dr. Bighnaraj Naik, Comput	IEEE Transactions on Industrial Informatics	2020	1551-3203	https://ieeexplore.ieee.org/abstract/document/9134827	https://ieeexplore.ieee.org/abstract/document/9134827	SCI/SCIE
A Jaya algorithm based wrapper method for optimal feature selection in supervised classification	Himansu Das, Bighnaraj Naik, HS Behera	Dr. Bighnaraj Naik, Comput	Journal of King Saud University-Computer and Inform	2020	1319-1578	https://www.sciencedirect.com/science/article/pii/S1319157820303670	https://www.sciencedirect.com/science/article/pii/S1319157820303670	SCI/SCIE
Improving exploration and exploitation via a hyperbolic gravitational search algorithm	Danilo Pelusi, Raffaele Mascella, Luca Tallini, Janmenjoy Nayak, Bighnaraj Naik, Yong Deng	Dr. Bighnaraj Naik, Comput	Knowledge-Based Systems	2020	0950-7051	https://www.sciencedirect.com/science/article/abs/pii/S0950705119306434	https://www.sciencedirect.com/science/article/abs/pii/S0950705119306434	SCI/SCIE
An Improved Moth-Flame Optimization algorithm with hybrid search phase	Danilo Pelusi, Raffaele Mascella, Luca Tallini, Janmenjoy Nayak, Bighnaraj Naik, Yong Deng	Dr. Bighnaraj Naik, Comput	Knowledge-Based Systems	2020	0950-7051	https://www.sciencedirect.com/science/article/abs/pii/S0950705119305763	https://www.sciencedirect.com/science/article/abs/pii/S0950705119305763	SCI/SCIE
Intelligent secure ecosystem based on Metaheuristic and functional link neural network for edge of things	Bighnaraj Naik, Mohammad S Obaidat, Janmenjoy Nayak, Danilo Pelusi, Pandi Vijayakumar, SK Hafizul Islam	Dr. Bighnaraj Naik, Comput	IEEE Transactions on Industrial Informatics	2019	1551-3203	https://ieeexplore.ieee.org/abstract/document/8730422	https://ieeexplore.ieee.org/abstract/document/8730422	SCI/SCIE
A Novel Honey-Bees Mating Optimization Approach with Higher order Neural Network for Classification	Janmenjoy Nayak, Bighnaraj Naik	Dr. Bighnaraj Naik, Comput	Journal of Classification	2018	0176-4268	https://link.springer.com/article/10.1007/s00357-018-9270-1	https://link.springer.com/article/10.1007/s00357-018-9270-1	SCI/SCIE
Elitist teaching-learning-based optimization (ETLBO) with higher-order Jordan P-sigma neural network: a comparative performance analysis	Janmenjoy Nayak, Bighnaraj Naik, Himansu Sekhar Behera, Ajith Abraham	Dr. Bighnaraj Naik, Comput	Neural Computing and Applications	2018	1433-3058	https://link.springer.com/article/10.1007/s00521-016-2738-1	https://link.springer.com/article/10.1007/s00521-016-2738-1	SCI/SCIE
A hybrid elicited teaching learning based optimization with fuzzy c-means (ETLBO-FCM) algorithm for data clustering	Janmenjoy Nayak, Bighnaraj Naik, DP Kanungo, HS Behera	Dr. Bighnaraj Naik, Comput	Ain Shams Engineering Journal	2018	2090-4479	https://www.sciencedirect.com/science/article/pii/S2090447916000289	https://www.sciencedirect.com/science/article/pii/S2090447916000289	SCI/SCIE
Neural network and fuzzy system for the tuning of Gravitational Search Algorithm parameters	Danilo Pelusi, Raffaele Mascella, Luca Tallini, Janmenjoy Nayak, Bighnaraj Naik, Ajith Abraham	Dr. Bighnaraj Naik, Comput	Expert Systems with Applications	2018	0957-4174	https://www.sciencedirect.com/science/article/abs/pii/S0957417418301143	https://www.sciencedirect.com/science/article/abs/pii/S0957417418301143	SCI/SCIE
A TLBO based gradient descent learning-functional link higher order ANN: An efficient model for learning from non-linear data	Bighnaraj Naik, Janmenjoy Nayak, HS Behera	Dr. Bighnaraj Naik, Comput	Journal of King Saud University-Computer and Inform	2018	1319-1578	https://www.sciencedirect.com/science/article/pii/S1319157816300040	https://www.sciencedirect.com/science/article/pii/S1319157816300040	SCI/SCIE
Medical disease analysis using neuro-fuzzy with feature extraction model for classification	Himansu Das, Bighnaraj Naik, HS Behera	Dr. Bighnaraj Naik, Comput	Informatics in Medicine Unlocked	2020	2352-9148	https://www.sciencedirect.com/science/article/pii/S2352914819302850	https://www.sciencedirect.com/science/article/pii/S2352914819302850	SCOPUS
A hybrid neuro-fuzzy and feature reduction model for classification	Himansu Das, Bighnaraj Naik, Himansu Sekhar Behera	Dr. Bighnaraj Naik, Comput	Advances in Fuzzy Systems	2020	1687-7101	https://www.hindawi.com/journals/afs/2020/4152049/	https://www.hindawi.com/journals/afs/2020/4152049/	SCOPUS
Optimal Multi-robot Path Planning Using Particle Swarm Optimization Algorithm Improved by Sine and Cosine Algorithms	H.K.Paikray, P.K.Das and S. Panda	S. Panda, Computer Applic	Arabian Journal of Science and Engineering	2021	2191-4281	https://www.springer.com/journal/13369	https://doi.org/10.1007/s13369-020-05046-9	SCI/SCIE

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A Robust edge detection algorithm based on Feature Based Image Registration (FBIR) using Improved Canny With Fuzzy Logic (ICWFL)	Anchal Kumawat and S.Panda	S. Panda, Computer Applic	The Visual Computer, Springer Nature	2021	1432-2315	https://link.springer.com/article/10.1007/s00371-021-02196-1	https://doi.org/10.1007/s00371-021-02196-1	SCI/SCIE
Analysis of properties and estimation of optimum blending ratio of blended mahua biodiesel	N. Acharya, P. Nanda, S. Panda and S. Acharya	Dr. S. Acharya, Computer A	Engineering Science and Technology, an International	2017	2215-0986	https://www.sciencedirect.com/journal/engineering-science-and-technology-an-international-journal	https://drive.google.com/drive/folders/18jR69F-7_pBW4DPZcOuvGhnlmK7e25BA7usp=drive_link	SCOPUS, SCIE
An ANFIS estimator based data aggregation scheme for fault tolerant Wireless Sensor Networks	S. Acharya and C.R. Tripathy	Dr. S. Acharya, Computer A	Journal of King Saud University – Computer and Inform	2018	1319-1578	https://www.sciencedirect.com/journal/journal-of-king-saud-university-computer-and-information-sciences	https://drive.google.com/drive/folders/18jR69F-7_pBW4DPZcOuvGhnlmK7e25BA7usp=drive_link	SCOPUS, SCIE
A Fuzzy Knowledge Based Fault Tolerance Mechanism for Wireless Sensor Networks	S. Acharya and C.R. Tripathy	Dr. S. Acharya, Computer A	International Journal of Rough Sets and Data Analysis	2018	2334-4598	https://www.igi-global.com/journal/international-journal-rough-sets-data/73546	https://drive.google.com/drive/folders/18jR69F-7_pBW4DPZcOuvGhnlmK7e25BA7usp=drive_link	
Biodiesel from Non-Edible Vegetable Oils: A Review on Engine Performance and Emission Characteristics	N. Acharya, P. Nanda, S. Panda and S. Acharya	Dr. S. Acharya, Computer A	Nature Environment and Pollution Technology	2018	p-ISSN: 0972-6268	http://www.neptjournal.com/	https://drive.google.com/drive/folders/18jR69F-7_pBW4DPZcOuvGhnlmK7e25BA7usp=drive_link	SCOPUS
A comparative study of stability characteristics of mahua and jatropa biodiesel and their blends	N. Acharya, P. Nanda, S. Panda and S. Acharya	Dr. S. Acharya, Computer A	Journal of King Saud University – Engineering Sciences	2019	1018-3639	https://www.sciencedirect.com/journal/journal-of-king-saud-university-engineering-sciences	https://drive.google.com/drive/folders/18jR69F-7_pBW4DPZcOuvGhnlmK7e25BA7usp=drive_link	SCOPUS
A reliable fault-tolerant ANFIS model based data aggregation scheme for Wireless Sensor Networks	S. Acharya and C.R. Tripathy	Dr. S. Acharya, Computer A	Journal of King Saud University – Computer and Inform	2020	1319-1578	https://www.sciencedirect.com/science/article/pii/S1319157817302082	https://drive.google.com/drive/folders/18jR69F-7_pBW4DPZcOuvGhnlmK7e25BA7usp=drive_link	SCOPUS, SCIE
Model based IoT security framework using multiclass adaptive boosting with SMOTE	Pandit Byomakesha Dash, Janmenjoy Nayak, Bighnaraj Naik, Etuari Oram, S.K. Hafizul Islam	Mrs Etuari Oram, Compute	WILEY	2020	2475-6725	https://onlinelibrary.wiley.com/journal/24756725	https://onlinelibrary.wiley.com/doi/full/10.1002/spv2.112	UGC Carelist
Assessing Compressive Strength of Concrete with Extreme Learning Machine	Sarat Chandra Nayak , Sanjib Kumar Nayak, Sanjaya Kumar Panda	Dr. S K Nayak, Computer Appl	Journal of Soft Computing in Civil Engineering , Poyua	2021	65-68	https://www.softcivil.com/	https://www.softcivil.com/article_133408.html	SCOPUS
Modeling and Forecasting Cryptocurrency Closing Prices with Rao Algorithm-Based Artificial Neural Networks: A Machine Learning Approach	Nayak, Sanjib Kumar, Sarat Chandra Nayak, and Subhranginee Das	Dr. S K Nayak, Computer Appl	FinTech	2022	47-62	https://www.mdpi.com/journal/fintech	https://www.mdpi.com/2674-1032/1/1/4	
A multi-objective renewable energy-based algorithm for geographically distributed datacentres	Sanjib Kumar Nayak, Sanjaya Kumar Panda, Satyabrata Das and Sohan Kumar Pande	Dr. S K Nayak, Computer Appl	International Journal of Embedded Systems	2022	119-131	https://www.inderscienceonline.com/journal/ijes	https://www.inderscienceonline.com/doi/abs/10.1504/IJES.2022.123304	SCOPUS
Constrained-based power management algorithm for green cloud computing	Sanjib Kumar Nayak, Sanjaya Kumar Panda and Satyabrata Das	Dr. S K Nayak, Computer Appl	International Journal of Computational Science and Et	2022	657-667	https://www.inderscienceonline.com/journal/ijcse	https://www.inderscienceonline.com/doi/abs/10.1504/IJCSE.2022.127187	SCOPUS
A Novel Modified and Optimized Meta-Heuristic Load-Balancing Technique for Cloud Computing System	D. Chandrasekhar Rao, Suraj Sharma, Sanjib Kumar Nayak, Suresh Kumar Srichandan, Alina Dash	Dr. S K Nayak, Computer Appl	International Journal of Intelligent Systems and Applic	2023	598–611	International Journal of Intelligent Systems and Applications in Engineering	https://www.iisae.org/index.php/IISAE/article/view/3209	SCOPUS
Modeling and Forecasting Cryptocurrency Closing Prices with Rao Algorithm-Based Artificial Neural Networks: A Machine Learning Approach	Sanjib Kumar Nayak, Sarat Chandra Nayak, Subhranginee Das	Dr. S K Nayak, Computer Appl	FinTech	2022	47=62	https://www.mdpi.com/journal/fintech	https://doi.org/10.3390/fintech1010004	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years									
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years									
Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
A deep intelligent framework for software risk prediction using improved firefly optimization	SK Pemmada, J Nayak, B Naik	Dr. Bighnaraj Naik, Comput	Neural Computing and Applications, Springer	2023		https://www.springer.com/journal/521	https://link.springer.com/article/10.1007/s00521-023-08756-x	SCIE	
25 years of particle swarm optimization: Flourishing voyage of two decades	Janmenjoy Nayak, H Swapnarekha, Bighnaraj Naik, Gaurav Dhiman, S Vimal	Dr. Bighnaraj Naik, Comput	Archives of Computational Methods in Engineering, S	2023	1134-3060	https://www.springer.com/journal/11831	https://link.springer.com/article/10.1007/s11831-022-09849-x	SCIE	
Light gradient boosting machine with optimized hyperparameters for identification of malicious access in IoT network	Debasmita Mishra, Bighnaraj Naik, Janmenjoy Nayak, Alireza Souri, Pandit Byomakesha Dash, S Vimal	Dr. Bighnaraj Naik, Comput	Digital Communications and Networks, Elsevier	2023	2468-5925	https://www.sciencedirect.com/journal/digital-communications-and-networks	https://www.sciencedirect.com/science/article/pii/S2352864822002139	SCIE	
Deep belief network-based probabilistic generative model for detection of robotic manipulator failure execution	Pandit Byomakesha Dash, Bighnaraj Naik, Janmenjoy Nayak, S Vima	Dr. Bighnaraj Naik, Comput	Soft Computing, Springer	2023	1432-7643	https://www.springer.com/journal/500	https://link.springer.com/article/10.1007/s00500-021-05572-0	SCIE	
Hybrid Bayesian optimization hypertuned catboost approach for malicious access and anomaly detection in IoT nomalyframework	Janmenjoy Nayak, Bighnaraj Naik, Pandit Byomakesha Dash, S Vimal, Seifidine Kadry	Dr. Bighnaraj Naik, Comput	Sustainable Computing: Informatics and Systems, Else	2022	2210-5379	https://www.sciencedirect.com/journal/sustainable-computing-informatics-and-systems	https://www.sciencedirect.com/science/article/abs/pii/S210537922001366	SCIE	
Correlation-based modified long short-term memory network approach for software defect prediction	Suresh Kumar Pemmada, HS Behera, Janmenjoy Nayak, Bighnaraj Naik	Dr. Bighnaraj Naik, Comput	Evolving Systems, Springer	2022	1868-6478	https://www.springer.com/journal/12530	https://link.springer.com/article/10.1007/s12530-022-09423-7	SCIE	
Extreme learning machine and bayesian optimization-driven intelligent framework for IoT cyber-attack detection	Janmenjoy Nayak, Saroj K Meher, Alireza Souri, Bighnaraj Naik, S Vimal	Dr. Bighnaraj Naik, Comput	The Journal of Supercomputing	2022	0920-8542	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-022-04453-z	SCIE	
Higher order ANN parameter optimization using hybrid opposition-elitism based metaheuristic	Bighnaraj Naik, Janmenjoy Nayak, Pandit Byomakesha Dash	Dr. Bighnaraj Naik, Comput	Evolutionary Intelligence	2022	1864-5909	https://www.springer.com/journal/12065	https://link.springer.com/article/10.1007/s12065-021-00610-0		
A novel algorithm for priority-based task scheduling on a multiprocessor heterogeneous system	Ronali madhusmita sahou, Sasmita Kumari Padhy	Dr. Sasmita Kumari Padhy	Microprocessors and Microsystems, ELSEVIER	2022	0141-9331	https://www.sciencedirect.com/journal/microprocessors-and-microsystems	https://doi.org/10.1016/j.micpro.2022.104685	Web of Science, SCIE, SCOPUS	
An improved decision feedback equalization using a priori information	Archana sadanagi, Subendu kumar sadangi, Sasmita kumari padhy, Siba prasada panigrahi, Bijay ketan panigrahi	Dr. Sasmita Kumari Padhy	Int. J. of Adaptive Control and Signal Processing, Wiley,	2010	1099-1115	https://onlinelibrary.wiley.com/journal/10991115	https://doi.org/10.1002/acs.1108	SCOPUS	
Non-linear channel equalization using adaptive MPNN	Sasmita kumari padhy, Siba panigrah, Prasanta kumar patra, Santanu kumar Nayak	Dr. Sasmita Kumari Padhy	Applied Soft Computing, Elsevier	2009	1568-4946	https://www.sciencedirect.com/journal/applied-soft-computing	https://doi.org/10.1016/j.asoc.2009.02.009	SCIE, SCOPUS	
Hybrid ANN reducing training time requirements and decision delay for equalization in presence of co-channel interference	Siba panigrah, Sasmita kumari padhy, Santanu kumar Nayak	Dr. Sasmita Kumari Padhy	Applied Soft Computing, Elsevier	2008	1568-4946	https://www.researchgate.net/journal/Applied-Soft-Computing-1568-4946?_tp=eyJib250ZXB0Ij07ImZpcnNOUGFnZSI6InB1YmxpY2F0aW9uIiwicGFZSI6InB1YmxpY2F0aW9uIn19	http://dx.doi.org/10.1016/j.asoc.2007.12.001	SCIE, SCOPUS	
An efficient hybrid estimator for nonlinear channels in state space	Siba prasada panigrah, Santanu k Nayak, Sasmita k padhy	Dr. Sasmita Kumari Padhy	r Signal Processing, Elsevie	2008	0165-1684	https://www.sciencedirect.com/journal/signal-processing	https://doi.org/10.1016/j.sigpro.2007.09.018	Web of Science, SCIE, SCOPUS	
A genetic-based neuro-fuzzy controller for blind equalization of time-varying channels	Siba prasada panigrah, Santanu kumar Nayak, Sasmita kumar padhy	Dr. Sasmita Kumari Padhy	Int. J. of Adaptive Control and Signal Processing, Wiley	2008	1099-1115	https://onlinelibrary.wiley.com/journal/10991115	https://doi.org/10.1002/acs.1019	SCI, SCOPUS	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A Jaya algorithm based wrapper method for optimal feature selection in supervised classification	Himansu Das, Bighnaraj Naik, HS Behera	Dr. Bighnaraj Naik, Comput	Journal of King Saud University-Computer and Inform	2022	1319-1578	https://www.sciencedirect.com/journal/journal-of-king-saud-university-computer-and-information-sciences	https://www.sciencedirect.com/science/article/pii/S1319157820303670	SCIE, SCOPUS
Socio-economic factor analysis for sustainable and smart precision agriculture: An ensemble learning approach	Pandit Byomakesha Dash, Bighnaraj Naik, Janmenjoy Nayak, S Vimal	Dr. Bighnaraj Naik, Comput	Computer Communications	2022	0140-3664	https://www.sciencedirect.com/journal/computer-communications	https://www.sciencedirect.com/science/article/pii/S140366421004230	SCIE, SCOPUS
A power quality detection and classification algorithm based on FDST and hyper-parameter tuned light-GBM using memetic firefly algorithm	Rasmi Ranjan Panigrahi, Manohar Mishra, Janmenjoy Nayak, Vimal Shanmuganathan, Bighnaraj Naik, Young-Ae Jung	Dr. Bighnaraj Naik, Comput	Measurement	2022	0263-2241	https://www.sciencedirect.com/journal/measurement	https://www.sciencedirect.com/science/article/abs/pii/S0263224121011659	SCIE, SCOPUS
Light gradient boosting machine-based phishing webpage detection model using phisher website features of mimic URLs	Etuari Oram, Pandit Byomakesha Dash, Bighnaraj Naik, Janmenjoy Nayak, S Vimal, Sathees Kumar Nataraj	Dr. Bighnaraj Naik, Comput	Pattern Recognition Letters	2021	0167-8655	https://www.sciencedirect.com/journal/pattern-recognition-letters	https://www.sciencedirect.com/science/article/abs/pii/S0167865521003445	SCIE, SCOPUS
Light gradient boosting machine-based phishing webpage detection model using phisher website features of mimic URLs	Etuari Oram, Pandit Byomakesha Dash, Bighnaraj Naik, Janmenjoy Nayak, S Vimal, Sathees Kumar Nataraj	Etuari Oram, Computer Ap	Pattern Recognition Letters	2021	0167-8655	https://www.sciencedirect.com/journal/pattern-recognition-letters	https://www.sciencedirect.com/science/article/abs/pii/S0167865521003445	SCIE, SCOPUS
Single-phase modeling of nanofluid jet impingement heat transfer	D. K. Sethy and P. Patro	Mechanical Engineering	International Journal of Fluid Mechanics Research	2022	2152-5102	https://www.begellhouse.com/journals/fluid-mechanics-research.html	https://www.dl.begellhouse.com/journals/71cb29ca5b40f8f8_1c809fd354e5680a_03b208aa51600e81.html	Scopus
Thermal performance analysis of a synthetic jet actuator with moving boundary condition	A. Khuntia, P. Patro and S. Ghosal	Mechanical Engineering	Journal of Enhanced Heat Transfer	2022	1065-5131	https://www.begellhouse.com/journals/enhanced-heat-transfer.html	https://www.dl.begellhouse.com/references/4c8f5faa331b09ea_1115dda9068ab7cf_401a8ff60048d89.html	SCI
Performance enhancement of heat sink with branched and interrupted fins	R. Ray, A Mohanty, P. Patro and K. Tripathy	Mechanical Engineering	International Communications in Heat and Mass Trans	2022	0735-1933	https://www.sciencedirect.com/journal/international-communications-in-heat-and-mass-transfer#:~:text=International%20Communications%20in%20Heat%20and%20Mass%20transfer%20serves%20as%20a%20of%20heat%20and%20mass%20transfer.	https://www.sciencedirect.com/science/article/abs/pii/S0735193322000677	SCI
Dilute phase pneumatic conveying in a horizontal pipe: Effect of restitution coefficient and specularity coefficient	P. Patro	Mechanical Engineering	International Journal of Fluid Mechanics Research	2021	2152-5102	https://www.begellhouse.com/journals/fluid-mechanics-research.html	https://www.dl.begellhouse.com/journals/71cb29ca5b40f8f8_2875ffbb0b4b3db8_1b8d68181b750869.html	SCOPUS
Evolution of designs for constructal cooling of a square plate using water, ionic liquid (ILs) and nano-enhanced ionic liquids (NEILs),	A. Barik, S. Rout and P. Patro	Mechanical Engineering	IE Journal of Thermal Science and Engineering Applica	2020	1948-5085	https://asmedigitalcollection.asme.org/thermalscienceapplication/article-abstract/12/2/021020/1072373/Evolution-of-Designs-for-Constructal-Cooling-of-a?redirectedFrom=fulltext		SCI
Heat transfer enhancement from a heated plate with convex dimples by forced convection along with a cross flow jet impingement	P. Patro and S. Gamayak	Mechanical Engineering	International Journal of Applied Mechanics and Engineeri	2020	2353-9003	https://sciendo.com/journal/IJAME	https://sciendo.com/pdf/10.2478/jame-2020-0009	SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Numerical heat transfer prediction for laminar flow in a circular pipe with a 90-degree bend	P. Patro, A. Rout and A. Barik	Mechanical Engineering	Journal of the Institution of Engineers (India): Series C	2018	2250-0545	https://www.springer.com/journal/40032	https://ui.adsabs.harvard.edu/abs/2018JIEIC..99..323P/abstract	SCOPUS
Experimental investigation and multi-objective optimization of process parameters during machining of AISI 52100 using high performance coated tools	L. R. Bhandarkar, M. Behera, P. P. Mohanty, S. K. Sarangi	Dr. Saroj Kumar Sarangi	Measurement	2021	0263-2241	https://www.sciencedirect.com/science/article/abs/pii/S0263224120313348		SCOPUS
Study of cutting force and tool wear during turning of aluminium with WC, PCD and HFCVD coated MCD tool	S. K. Pattnaik, M. Behera, S. Padhi, P. R. Dash, S. K. Sarangi	Dr. Saroj Kumar Sarangi	Manufacturing Review	2020	2265-4224	https://mfr.edp-open.org/articles/mfreview/full_html/2020/01/mfreview200033/mfreview200033.html		SCOPUS
The effect of transition-metal seeding powder on deposition and growth of diamond synthesized by hot filament chemical vapor deposition processes on cemented carbide substrates and its characterization	M. Behera, A. Jena, S. K. Pattnaik, S. Padhi, S. K. Sarangi	Dr. Saroj Kumar Sarangi	Materials Chemistry and Physics	2020	0254-0584	https://www.sciencedirect.com/science/article/abs/pii/S0254058420309998		SCOPUS
Hybrid trajectory/force control strategy for the in vivo robot during stomach biopsy	M.K. Sutar, P.M. Pathak	Mechanical Engineering	Journal of the Brazilian Society of Mechanical Science	2019	1806-3691	https://www.springer.com/journal/40430		SCI
Composites and Effects of Discontinuities on Its Performance: A Review	M.K. Sutar, A. Nayak	Mechanical Engineering	Journal of The Institution of Engineers (India): Series C	2020	2250-0553	https://www.springer.com/journal/40032		Scopus
Thermo-mechanical analysis of investment casting ceramic shell: A case study	Madan Mohan Behera, Sarojrani Pattnaik, Mihir Kumar Sutar	Mechanical Engineering	Measurement	2019	0263-2241	https://www.sciencedirect.com/journal/measurement		SCI
Investigation of the Foundry Properties of the Locally Available Sands for Metal Casting	P.K. Sahoo, Sarojrani Pattnaik, M.K. Sutar	Mechanical Engineering	Silicon	2020	1876-9918	https://www.springer.com/journal/12633		SCI
Effect of Saw Dust Content on Slurry Rheology and Mechanical Properties of the Investment Casting Ceramic Shell	Sarojrani Pattnaik, M.K. Sutar	Mechanical Engineering	International Journal of Metalcasting	2020	2163-3193	https://www.springer.com/journal/40962		SCI
Investigation on controlling the process parameters for improving the quality of investment cast parts	Sarojrani Pattnaik	Mechanical Engineering	Journal of the Brazilian Society of Mechanical Science	2018	1806-3691	https://www.springer.com/journal/40430		Scopus
A Study on Erosion Wear Behavior of Benzoyl Chloride Modified Vetiver Grass (Chrysopogon Zizanioides) and Red Mud as Reinforcement in Polymer Based Composites	PK Jena, JR Mohanty, S Nayak, S Barik	Mechanical Engineering	Journal of Natural Fibers	2020	1544-046X	https://www.tandfonline.com/toc/wjnf20/current		Scopus
Utilization of Chemically Modified Novel Urena Lobata Fibers as Reinforcement in Polymer Composites – an Experimental Study	PK Jena, JR Mohanty, S Nayak, KR Panda, R Sahu, SK Khuntia	Mechanical Engineering	Journal of Natural Fibers	2020	1544-046X	https://www.tandfonline.com/toc/wjnf20/current		Scopus
Erosion wear behavior of benzoyl chloride modified arca sheath fiber reinforced polymer composites	S Nayak, J Mohanty	Mechanical Engineering	Composites Communications	2020	2452-2139	https://www.journals.elsevier.com/composites-communications		Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Effect of Surface Modification of Vetiver Fibers on Their Physical and Thermal Properties	PK Jena, JR Mohanty, S Nayak	Mechanical Engineering	Journal of Natural Fibers	2020	1544-046X	https://www.tandfonline.com/toc/wjnf20/current		Scopus
Two-body abrasive behavior of areca sheath fibre reinforced polyvinyl alcohol composites	S Nayak, J Mohanty	Mechanical Engineering	Indian Journal of Fibre & Textile Research	2019	0975-1025	http://nopr.niscair.res.in/handle/123456789/61		Scopus
Chemical Treatment on Rattan Fibers: Durability, Mechanical, Thermal, and Morphological Properties	SK Sahoo, JR Mohanty, S Nayak, B Behera	Mechanical Engineering	Journal of Natural Fibers	2019	1544-046X	https://www.tandfonline.com/toc/wjnf20/current		Scopus
Influence of chemical treatment on tensile strength, water absorption, surface morphology, and thermal analysis of areca sheath fibers	S Nayak, JR Mohanty	Mechanical Engineering	Journal of Natural Fibers	2019	1544-046X	https://www.tandfonline.com/toc/wjnf20/current		Scopus
Polyvinyl Chloride Reinforced with Areca Sheath Fiber Composites— An Experimental Study, PRSBKN	Subhakanta Nayak, Jyoti Ranjan Mohanty	Mechanical Engineering	Journal of Natural Fibers	2018	1544-046X	https://www.tandfonline.com/toc/wjnf20/current		Scopus
Study of mechanical, thermal, and rheological properties of areca fiber-reinforced polyvinyl alcohol composite	S Nayak, JR Mohanty	Mechanical Engineering	Journal of Natural Fibers	2018	1544-046X	https://www.tandfonline.com/toc/wjnf20/current		Scopus
Fabrication of acrylic modified coconut fiber reinforced polypropylene biocomposites: Study of mechanical, thermal, and erosion properties	N Sarkar, G Sahoo, T Khuntia, P Priyadarsini, JR Mohanty, SK Swain	Mechanical Engineering	Polymer Composites	2017	1548-0569	https://onlinelibrary.wiley.com/journal/15480569		Scopus
Investigation on solid particle erosion behavior of date palm leaf fiber-reinforced polyvinyl pyrrolidone composites	JR Mohanty	Mechanical Engineering	Journal of Thermoplastic Composite Materials	2017	1530-7980	https://journals.sagepub.com/home/jtc		Scopus
Dynamic stability study on an exponentially tapered rotating asymmetric sandwich beam under the action of a pulsating axial load with variable temperature gradient	M Pradhan and P. R. Dash	Mechanical Engineering	Journal Of Aerospace Sciences & Technologies	2019		http://www.aerjournalindia.com/		
Stability of an Exponentially Tapered Asymmetric Sandwich Beam Placing on a Variable Pasternak Foundation with Variable Temperature Gradient	M. Pradhan, P R Dash, D. Nayak,	Mechanical Engineering	Noise and Vibration Worldwide.	2020	0957-4565	https://journals.sagepub.com/metrics/NVV		Scopus
Stability Study of a Sandwich Beam with Asymmetric and Non-uniform Configuration Supported Viscoelastically Under Variable Temperature Grade	M Pradhan and P. R. Dash	Mechanical Engineering	Journal of Vibration Engineering & Technologies	2019		https://www.springer.com/journal/42417		Scopus
Analysis of parametric instability of a spring-attached pre-twisted beam with viscoelastic end support	D K Nayak, M Pradhan, P K Jena and P R Dash	Mechanical Engineering	Noise & Vibration Worldwide	2021	0957-4565	https://journals.sagepub.com/metrics/NVV	https://journals.sagepub.com/doi/abs/10.1177/09574565211030712	Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Stability of an exponentially tapered asymmetric sandwich beam placing on a variable Pasternak Foundation with variable temperature gradient	Pradhan, M., Dash, P., & Nayak, D. K.	Mechanical Engineering	Noise & Vibration Worldwide	2021	0957-4565	https://journals.sagepub.com/metrics/NVW			
Effect of Polarity on MRR and TWR in Electric Discharge Machining	Sahu J., Shrivastava S., Mohanty C., Mishra S., Mahanta T.K.	Mechanical Engineering	Advances in Mechanical Processing and Design.	2021	978-981-15-7778-9	https://link.springer.com/chapter/10.1007/978-981-15-7779-6_49	Scopus		
A comprehensive study in quantification of response characteristics of incremental sheet forming process	Garg, A., Gao, L., Panda, B.N., Mishra S.	Mechanical Engineering	The International Journal of Advanced Manufacturing	2017	1353-1365 (2017)	https://doi.org/10.1007/s00170-016-9183-2	SCI		
Application of fuzzy integrated MULTIMOORA method towards supplier/partner selection in agile supply chain	S Mishra, AK Sahu, S Datta, SS Mahapatra	Mechanical Engineering	International Journal of Operational Research,	2015		https://doi.org/10.1504/IJOR.2015.068562	Scopus		
Effect of Polarity on MRR and TWR in Electric Discharge Machining.	Sahu J., Shrivastava S., Mohanty C., Mishra S., Mahanta T.K	Mechanical Engineering	Advances in Mechanical Processing and Design, Springer, Singapore	2021		https://doi.org/10.1007/978-981-15-7779-6_49	SCI		
Natural convection cooling of an infrared suppression (IRS) device with cylindrical funnels	Aurovinda Mohanty, Sukanta Kumar Dash, Subhansu Roy	Mechanical Engineering	International Journal of Thermal Sciences	2019	1290-0729	https://www.journals.elsevier.com/international-journal-of-thermal-sciences	https://doi.org/10.1016/j.ijthermalsci.2019.03.032	SCI	
Performance evaluation of porous fin with prescribed tip temperature: An analytical and numerical approach	Ajay Gupta, Gautam, Satyabrata Sahoo, Aurovinda Mohanty	Mechanical Engineering	International Journal of Heat and Mass Transfer	2020	0017-9310	https://www.journals.elsevier.com/international-journal-of-heat-and-mass-transfer	https://doi.org/10.1016/j.ijheatmasstransfer.2020.119736	SCI	
Natural convection cooling of an infrared suppression device (IRS) with conical funnels- a computational approach	Aurovinda Mohanty, Santosh Kumar Senapati and Sukanta K. Dash	Mechanical Engineering	International Communications in Heat and Mass Transfer	2020	0735-1933	https://www.journals.elsevier.com/international-communications-in-heat-and-mass-transfer	https://doi.org/10.1016/j.icheatmasstransfer.2020.104891	SCI	
Constructal design of different ribs for thermo-fluid performance enhancement of a solar air heater (SAH)	Ashok K. Barik, Aurovinda Mohanty, Jnana R. Senapati, Mohamed M. Awad	Mechanical engineering	International Journal of Thermal Sciences,	2020	1290-0729	https://www.journals.elsevier.com/international-journal-of-thermal-sciences	https://doi.org/10.1016/j.ijthermalsci.2020.106655	SCI	
Conjugate heat transfer due to conduction, natural convection, and radiation from a vertical hollow cylinder with finite thickness	Vikrant Chandrakar, Jnana Ranjan Senapati & Aurovinda Mohanty	Mechanical engineering	Numerical Heat Transfer, Part A: Applications	2020	1040-7782	https://www.tandfonline.com/toc/unht20/current	https://doi.org/10.1080/10407782.2020.1847524	SCI	
A comparative study on laminated and randomly oriented Luffa-Kevlar Reinforced hybrid composites	A Behera, J Dehury, MM Thaware	Mechanical engineering	Journal of natural fiber	2019	237-244	https://www.tandfonline.com/doi/abs/10.1080/15440478.2017.1414653	https://doi.org/10.1080/15440478.2017.1414653	SCI	
Effect of fiber content and orientation on the properties of PP Mohanty	S Moharana, P Samal, JDehury, PP Mohanty	Mechanical engineering	materials-today	2020		https://www.sciencedirect.com/science/article/abs/pii/S2214785319339252	https://doi.org/10.1016/j.matpr.2019.11.239	Scopus	
A novel study of synthesis, characterization and properties of polymeric nanocomposites	Chakrapani, A., Dehury, J., Rout, L. N., Mohanty, J. R., Nayak, D. K.	Mechanical engineering	Journal of The Institution of Engineers (India): Series E	2023		https://article/10.1007/s40034-023-00268-9	Scopus		
Comprehensive Characterization and Mechanical Properties of Polymeric Nanocomposites	Dehury, J., Mohanty, J. R., Nayak, D. K.	Mechanical engineering	Journal of Natural Fibers	2022		https://www.tandfonline.com/doi/abs/10.1080/15440478.2021.1982834	https://doi.org/10.1080/15440478.2021.1982834	SCI	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Development of natural fiber	Dehury, J., Mohanty, J. R., Nayak,	Mechanical engineering	Polymer Composites	2022		https://aspepublications.onlinelibrary.wiley.com/doi/abs/10.1002/pc.26727	https://doi.org/10.1002/pc.26727	SCI
The consequence of SIC filler	Behera, A., Dehury, J., & Rayaguru	Mechanical engineering	Silicon	2023		https://link.springer.com/article/10.1007/s12633-023-02543-y		SCI
Mechanical and thermal prop	Dehury, J., Nayak, S., & Mohanty,	Mechanical engineering	Biomass Conversion and Biorefinery	2024		https://link.springer.com/article/10.1007/s13399-024-05340-8		
Comprehensive characterization sea pursuance (sesuvium portulacastrum) fiber and the effects of surface modifications on physical , mechanical and thermal properties	Janaki Dehury,Subhakanta Nayak, Jyoti Ranjan Mohanty	Mechanical engineering	Journal of natural fiber	2021	6031-6043	https://www.tandfonline.com/doi/full/10.1080/15440478.2021.1904476	https://doi.org/10.1080/15440478.2021.1904476	SCI
A comparative study of meta-heuristics for local path planning of mobile robots	Pattanaik S, Mishra, D. and Panda, S*	Mechanical engineering	J. Engineering Optimization	2021		https://www.tandfonline.com/doi/abs/10.1080/0305215X.2020.1858074	https://doi.org/10.1080/0305215X.2020.1858074	SCI
A Study on WEDM Microdrilling of 316L Stainless Steel Orthopedic Implant	Sahu, A, Pattanaik S., Panda, S*.	Mechanical engineering	Journal of Mechanical Engineering Science, Part C	2020		https://journals.sagepub.com/doi/abs/10.1177/0954406220936302	https://doi.org/10.1177/0954406220936302	SCI
Laser micro drilling of 316L stainless steel orthopedic implant : A study	Pattanaik S., Panda,S*. and Dhupal, D.	Mechanical engineering	J. Manufacturing process	2020		https://www.sciencedirect.com/science/article/abs/pii/S1526612518301749	https://doi.org/10.1016/j.imapro.2020.01.042	SCI
An approach for design optimization of 3R manipulator using adaptive cuckoo search algorithm	Panda S*, Mishra, D., and Biswal, B. B	Mechanical engineering	Mechanics based design of Structures and machines	2019		https://www.tandfonline.com/doi/abs/10.1080/15397734.2019.1675166?journalCode=lmbd20	https://doi.org/10.1080/15397734.2019.1675166	SCI
Dry turning of AISI D3 steel using a mixed ceramic insert: A study, Journal of Mechanical Engineering Science	Rath D, Panda S*. Pal, K	Mechanical engineering	Journal of Mechanical Engineering Science, Part C	2019		https://journals.sagepub.com/doi/abs/10.1177/0954406219862844	https://doi.org/10.1177/0954406219862844	SCI
Particle Swarm Optimization and Machinability Aspects during Turning of Hardened D3 Steel	Rath D, Panda S. Pal, K*	Mechanical engineering	Journal of Advanced Manufacturing Systems	2019		https://www.worldscientific.com/doi/10.1142/S021968672050033X	https://doi.org/10.1142/S021968672050033X	SCOPUS
Modelling and Optimization of Rolling Process: A Multi-objective approach	Panda S. Panda S. N	Mechanical engineering	Journal of Advanced Manufacturing Systems	2019		https://www.worldscientific.com/doi/10.1142/S0219686720500171	https://doi.org/10.1142/S0219686720500171	SCOPUS
Workspace optimization of 3R manipulator-a multi-objective approach	Panda S., Mishra, D., and Biswal, B. B	Mechanical engineering	Int. J. Intelligent Machine and Robotics	2019		https://www.inderscienceonline.com/doi/abs/10.1504/IJIMR.2019.101759	https://doi.org/10.1504/IJIMR.2019.101759	SCOPUS
Laser Beam Micro Drilling – a Review Lasers in Manufacturing and Materials Processing	Pattanaik S., Panda,S*	Mechanical engineering	Lasers in Manufacturing and Materials Processing	2018		https://link.springer.com/article/10.1007/s40516-018-0072-4#	https://doi.org/10.1007/s40516-018-0072-4	SCOPUS
Process Parameter Optimization of hydrostatic extrusion using Metaheuristic	S. Panda D. Mishra	Mechanical engineering	Journal of Advanced Manufacturing Systems	2018		https://www.worldscientific.com/doi/10.1142/S0219686718500270	https://doi.org/10.1142/S0219686718500270	SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A comparative study of stability characteristics of mahua and jatropa biodiesel and their blends	N. Acharya, P.Nanda & S. Panda	Mechanical engineering	, Journal of King Saud University – Engineering Science	2019		https://www.sciencedirect.com/science/article/pii/S1018363917300569	https://doi.org/10.1016/j.jksues.2017.09.003	SCOPUS
A multi objective optimum design approach for rolling element bearing	S. Panda & S. N. Panda	Mechanical engineering	International Journal on Interactive Design and Manu	2018		https://link.springer.com/article/10.1007/s12008-018-0468-6#	https://doi.org/10.1007/s12008-018-0468-6	SCOPUS
Analysis of properties and estimation of optimum blending ratio of blended mahua biodiesel	N. Acharya, P.Nanda & S. Panda	Mechanical engineering	Engineering Science and Technology, an International	2017		https://www.sciencedirect.com/science/article/pii/S2215098616309363#	https://doi.org/10.1016/j.jestch.2016.12.005	SCI
An experimental study on water harvesting from a modified window air-conditioner	Purnendu Dalai, Prasant Nanda, Chinmaya Mund, Debasmita Mishra, Abhijeet Gupta	Mechanical engineering	Energy Procedia,Elsevier	2017	109(253-260)	https://doi.org/10.1016/j.egypro.2017.03.058		SCI
<u>A detailed investigation on thermal and micro-structural properties of hexagonal boron nitride composites</u>	Debasmita Mishra, Sabyasachi Mohapatra, Alok Satapathy	Mechanical engineering	Materials Today: Proceedings,Elsevier	2018	5 (9), 19747-19753	https://doi.org/10.1016/j.matpr.2018.06.337		SCOPUS
<u>A comparative study of characterization and water absorption behaviour of polyester composites with inorganic and organic fibers</u>	Debasmita Mishra, Sabyasachi Mohapatra, Alok Satapathy	Mechanical engineering	Materials Today: Proceedings,Elsevier	2019	19, 289-295	https://doi.org/10.1016/j.matpr.2019.06.762		SCOPUS
<u>The effect of particle size, mixing conditions and agglomerates on thermal conductivity of BN-polyester & multi-sized BN-hybrid composites for use in micro-electronics</u>	Debasmita Mishra, Janaki Dehury, Laxminarayan Rout, Alok Satapathy	Mechanical engineering	Materials Today: Proceedings,Elsevier	2020	26, 3187-3192	https://doi.org/10.1016/j.matpr.2020.02.658		SCOPUS
<u>An extensive study on the effect of percolation on thermo-physical characteristics of boron-nitride polyester composites</u>	Debasmita Mishra	Mechanical engineering	Materials Today: Proceedings,Elsevier	2021	44, 1906-1910	https://doi.org/10.1016/j.matpr.2020.12.089		SCOPUS
Influence of Silicon Carbide (SiC) Reinforcement on Sliding and Erosive Wear Characteristics of Glass Fiber/Epoxy Hybrid Composites	Laxminarayan Rout, Debasmita Mishra, Priyadarshi Tapas Ranjan Swain	Mechanical engineering	Transactions of Indian Institute of Metals, Springer	2022	76,1113-1121	https://doi.org/10.1007/s12666-022-02828-7		SCI
A hybrid approach for multi-response optimization of non-conventional machining on AISiCp MMC	Layatitdev Das,Debasasanna Puhan, S.S. Mahapatra	Mechanical engineering	Measurement, ELSEVIER.	2013		10.1016/j.measurement.2013.06.007		SCI
Analysis Of Detecting Multi Crack With Location And Size In Simply Supported Shaft Using Anfis	Layatitdev Das,J. Nanda, H. C. Das, A.Biswal	Mechanical engineering	Applied Mechanics and Materials, Trans Tech Publicat	2014		https://doi.org/10.4028/www.scientific.net/AMM.541-542.649		SCI
A comparative study of prediction of inverse kinematics solution of 2-DOF, 3-DOF, 5-DOF Redundant manipulators using ANFIS	Layatitdev das, Jajneswar nanda, & S.S. Mahapatra	Mechanical engineering	International journal of Computer science and Netwo	2014	2277-5420			Scopus
Influence of multi-transverse crack on cantilever shaft	Layatitdev das,Jajneswar nanda	Mechanical engineering	International journal of Damage Mechanics, Sage Pub	2015		https://doi.org/10.1177/1056789514560916		SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Prediction of Inverse Kinematics of a 5-DOF Pioneer robotic arm (PArm) having 6-DOF End-effector using ANFIS	Layatitdev das, S.S. Mahapatra	Mechanical engineering	International journal of computational vision and robotics	2016		10.1504/IJCVR.2015.072190	SCI	
An Improvement Intended for Multiple Crack Diagnosis Adopting Combo Artificial Intelligence Technique	Layatitdev Das, Jajneswar nanda, D.R. Parhi	Mechanical engineering	International Journal of Engineering and Technology.	2018		10.14419/ijet.v7i4.39.23938	Scopus	
A study on mechanical and tribological behaviour of alumina filled AAS754 composites using Taguchi experimental design	Layatitdev das, Swadhin Patel, Sumant Panda, Narsingh Deep.	Mechanical engineering	Materials Today: Proceedings,Elsevier	2020		10.1016/j.matpr.2020.02.857	Scopus	
Wear analysis of aluminum-fly ash hybrid composites", Jajneswar Nanda, Sankar Narayan Das, Rabindra Behera	Anup Choudhury, Jajneswar Nanda, Sankar Narayan Das, Rabindra Behera	Mechanical engineering	Materials Today: Proceedings,Elsevier	2020		10.37200/IJPR/V24I6/PR260368	Scopus	
Application of adaptive neuro-fuzzy inference system(ANFIS) for predicting dielectric characteristics of CNT/PMMA nano-composites	Layatitdev das, Narsongh Deep, Punyapriya Mishra.	Mechanical engineering	Materials Today: Proceedings,Elsevier	2020		10.1016/j.matpr.2020.02.882	Scopus	
Fabrication and characterization of thermally conductive PMMA/MWCNT nanocomposites	NarasinghDeep, PunyapriyaMishra	Mechanical engineering	Materials Today: Proceedings,Elsevier	2018	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings/vol/5/issue/14/part/2	https://doi.org/10.1016/j.matpr.2018.10.117	Scopus
Evaluation of mechanical properties of functionalized carbon nanotube reinforced PMMA polymer nanocomposite	NarasinghDeep, PunyapriyaMishra	Mechanical engineering	Karbala International Journal of Modern Science	2018	2405-609X	https://www.sciencedirect.com/journal/karbala-international-journal-of-modern-science	https://doi.org/10.1016/j.kijoms.2018.02.001	SCI
Synthesis, mechanical and thermal properties of carbon black/epoxy composites	Tanusree Bera, S.K. Acharya, Punyapriya Mishra	Mechanical engineering	International Journal of Engineering, Science and Tech	2018	eISSN: 2141-2839	https://www.ajol.info/index.php/ijest/index	DOI: 10.4314/ijest.v10i4.2	
Effect of Functionalized MWCNT on the Mechanical and Dielectric Properties of PMMA Nanocomposites	Punyapriya Mishra, Narasingh Deep, Sagarika Pradhan, Vikram G Kamble	Mechanical engineering	International Journal of Nanoscience	2019	ISSN (online): 1793-5	https://www.worldscientific.com/doi/abs/10.1142/S0219581X185003	https://doi.org/10.1142/S0219581X18500357	SCI
A state of the art in Functionally Graded Materials and their Analysis	Prabhat Pradhan, Mihir Kumar Sutar, Sarojrani Pattnaik	Mechanical engineering	Materials Today Proceedings	2019	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings/about/aims-and-scope	https://www.sciencedirect.com/science/article/pii/S221478531932512X	Scopus
Kerf width analysis of wire electrical discharge machining of titanium alloy	Santosh Kumar Sahu,* M. Vijay Anand , T CH Anil Kumar , Ashok Kumar, G Shakthi Prasad , VV Niraj	Mechanical engineering	Materials Today: Proceedings,Elsevier	2023		https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785323039949?via%3DIuh	Scopus
Stratifying transformer defects through modelling and simulation of thermaldecomposition of insulating mineral oil	Santosh Kumar Sahu,A. Manjula, Sangeetha S, Mustafa Musa Jaber, Hamad Mohamad A.A, RajeshVerma and Prashant Vats	Mechanical engineering	Journal for Control, Measurement, Electronics, Comp	2023	DOI:10.1080/000511	https://www.tandfonline.com/journals/taut20	https://www.tandfonline.com/doi/full/10.1080/00051144.2023.2197821	SCI
Dynamic mechanical, ballistic and tribological behavior of luffa aegyptiaca fiber reinforced coco husk biochar epoxy composite	Santosh Kumar Sahu,H. Jeevan Rao, N. Nagabhooshanam, D. Sendil Kumar, Rajesh Verma Indian, Gandeti Jyothirmal	Mechanical engineering	Polymer Composites, SPE-Inspiring Plastics Profession	2023	DOI: 10.1002/pc.272	https://aspepublications.onlinelibrary.wiley.com/	https://aspepublications.onlinelibrary.wiley.com/doi/abs/10.1002/pc.27215	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
EMI shielding of cobalt, red onion husk biochar and carbon short fiber-PVA composite on X and Ku band frequencies	Santosh Kumar Sahu, G. Devi1, N. Nagabhooshanam, Mohan Chokkalingam,	Mechanical engineering	Polymer Composites, SPE-Inspiring Plastics Profession	2022	DOI: 10.1002/pc.268	https://aspepublications.onlinelibrary.wiley.com/	https://aspepublications.onlinelibrary.wiley.com/doi/10.1002/pc.26898	SCI
Effect of SiC Particle Incorporated Dielectric Medium on Electrical Discharge Machining Behavior of AA6061/B4Cp/SiCp AMCs	Santosh Kumar Sahu, Johny Khajuria, N. Nagabhooshanam, Pankaj Sharma, Atul Kumar, Peyyala Sree Devi and Kuma Gowwomsa Erko	Mechanical engineering	Advances in Materials Science and Engineering	2022	DOI:10.1155/2022/2	2661158.pdfHindawihhttps://downloads.hindawi.com	https://downloads.hindawi.com/journals/amse/2022/2661158.pdf	SCI
Optimization of Process Parameter on AA8052 Friction Stir Welding Using Taguchi's Method	Pankaj Sharma, S. Baskar, Puneet Joshi, T. A. Raja, Santosh Kumar Sahu	Mechanical engineering	Advances in Materials Science and Engineering	2022	DOI: 10.1155/2022/3048956		https://www.hindawi.com/journals/amse/2022/3048956/	SCI
Powder-mixed electro-discharge machining performance of Inconel 718: effect of concentration of multi-walled carbon nanotube added to the dielectric media	Thrinadh Jadam, Santosh Kumar Sahu,Saurav Datta, ManojMasanta	Mechanical engineering	Indian Academic of Sciences, Shadhana	2020	DOI.10.1007/s12046-0	https://www.ias.ac.in/sadhana/	https://link.springer.com/article/10.1007/s12046-020-01378-2	SCI
EDM performance of Inconel 718 superalloy: application of multi-walled carbon nanotube (MWCNT) added dielectric media	Thrinadh Jadam, Santosh Kumar Sahu,Saurav Datta, ManojMasanta	Mechanical engineering	Journal of the Brazilian Society of Mechanical Science	2019	1. DOI: 10.1007/s4043	https://www.springer.com/journal/40430	https://link.springer.com/article/10.1007/s40430-019-1813-9	SCI
Electro-Discharge Machining Performance of Nimonic 80A: An Experimental Observation	DebashishSahu, Santosh Kumar Sahu, ThrinadhJadam, SauravDatta	Mechanical engineering	Arabian Journal for Science and Engineering	2019	DOI: 10.1007/s13369-0	https://www.springer.com/journal/13369	https://www.springerprofessional.de/en/electro-discharge-machining-performance-of-nimonic-80a-an-experi/17229620	SCI
Experimental Studies on Graphite Powder Mixed Electro-Discharge Machining of Inconel 718 Super Alloys: Comparison with Conventional EDM	SantoshKumarSahu, SauravDatta	Mechanical engineering	Part E: Journal of Process Mechanical Engineering. SA	2018	DOI: 10.1177/0954408	https://journals.sagepub.com/home/pje	https://journals.sagepub.com/doi/abs/10.1177/0954408918787104	SCI
Effect of using SiC powder-addeddielectricmediaduring electro dischargemachining of Inconel 718 super alloys	Santosh Kumar Sahu, ThrinadhJadam, SauravDatta, Goutam Nandi	Mechanical engineering	Journal of the Brazilian Society of Mechanical Science	2018	DOI:10.1007/s40430-0	https://www.springer.com/journal/40430	https://link.springer.com/article/10.1007/s40430-018-1257-7	SCI
Appraisalment and Benchmarking of Supply Chain Performance Extent: AFuzzy Grey Relation Method	SantoshKumarSahu, Saurav Datta, Saroj Kumar Patel, Siba Sankar Mahapatra	Mechanical engineering	Grey Systems, TheoryandApplication,Emerald Group f	2015	DOI:10.1108/GS-10-20	https://www.emerald.com/insight/publication/issn/2043-9377	https://www.emerald.com/insight/content/doi/10.1108/GS-10-2014-0036/full/html	SCI
SupplyChainflexibilityassess mentanddecision-making: a fuzzy intelligent approach	SantoshKumarSahu, Saurav Datta, Saroj Kumar Patel, Siba Sankar Mahapatra	Mechanical engineering	InternationalJournal of Business Excellence	2015	DOI: 10.1504/IBEX.20	https://www.inderscience.com/jhome.php?jcode=ijbex	https://www.inderscienceonline.com/doi/abs/10.1504/IBEX.2015.072305	Scopus
Fuzzy-TOPSISforAppropriateSiteSelectionforEstablishingThermalPowerPlant	Chhabi Ram Matawale, Soumya Panigrahi, Santosh Kumar Sahu, Saurav Datta and Siba Sankar Mahapatra	Mechanical engineering	Applied MechanicsandMaterials	2014	DOI: 10.1504/IJPMB.20	https://www.scientific.net/AMM	https://www.scientific.net/AMM.619.385	Scopus
AFuzzy Based Decision Support Framework Towards Benchmarking of Enterprise (SupplyChain)Agility:An Empirical Research	ArupGourabSahoo, SantoshKumarSahu, ChhabiRamMatawale, SauravDattaandSibaSankarMahapatra	Mechanical engineering	InternationalJournalofManagementand International	2014	ISSN 2277-3177	https://www.ripublication.com/ijmibs.htm	https://www.ripublication.com/ijmibs-spl/ijmibsv4n2spl_05.pdf	Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A decision Support System towards Suppliers' Selection in Resilient Supply Chain: Exploration of Fuzzy-TOPSIS	Aditya, Santosh Kumar Sahu, Anoop Kumar Sahu, Saurav Datta, Siba Sankar Mahapatra	Mechanical engineering	International Journal of Management and International	2014	ISSN 2277-3177	https://www.ripublication.com/ijmibs-spl/ijmibs4n2spl_06.pdf	Scopus	
Supply Chain Performance Appraisal, Benchmarking and Decision-Making: Empirical Study using Grey Theory and Grey-MOORA	Santosh Kumar Sahu, Saurav Datta, Saroj Kumar Patel, Siba Sankar Mahapatra	Mechanical engineering	International Journal of Process Management and Ben	2013	DOI: 10.1504/IJPMB.20	https://www.inderscience.com/jhome.php?code=ijpmb	Scopus	
Decision-making scenario towards supply chain performance Assessment in Fuzzy Context	Santosh Kumar Sahu, Saurav Datta, Saroj Kumar Patel, Siba Sankar Mahapatra	Mechanical engineering	International Journal of Engineering Research and Techn	2013	ISSN 0974-3154.	https://www.ijert.org/?gclid=CjwKCAIwidQIBhAEiwAH28xm-4cC5nk0EvgZuanwzic6ja7CheTcLMF50prLpGuB4txXCZb-Y2hoCeGoQAvD_BwE	Scopus	
Industrial Supply Chain Performance Benchmarking using Fuzzy Grey Relation Method	Santosh Kumar Sahu, Saurav Datta, Saroj Kumar Patel, Siba Sankar Mahapatra	Mechanical engineering	Global Journal of Management and Business Studies	2014	ISSN 2248-9878	http://www.i-scholar.in/index.php/Gjms	Scopus	
Selection of appropriate powder-mixed dielectric media (kerosene and used transformer oil) for desired EDM performance on Inconel 718 super alloys	Santosh Kumar Sahu, Biswajit Dey, Saurav Datta	Mechanical engineering	Materials Today: Proceedings, Elsevier	2019	DOI: 10.1016/j.matpr.2	https://www.journals.elsevier.com/materials-today-proceedings	Scopus	
Performance of dielectric media (conventional EDM oil and distilled water) during machining of Inconel 825 super alloy	Santosh Kumar Sahu, Thrinadh Jadam, Saurav Datta	Mechanical engineering	Materials Today: Proceedings, Elsevier	2019	DOI: 10.1016/j.matpr.2	https://www.journals.elsevier.com/materials-today-proceedings	Scopus	
Application of SiC Power Added in Kerosene Dielectric Media for Electro-Discharge Machining of Inconel 718 Super Alloys: Effects of Powder Concentration,	Santosh Kumar Sahu, Thrinadh Jadam, Saurav Datta, Debabrata Dhupal, Goutam Nandi	Mechanical engineering	Materials Today: Proceedings, Elsevier	2018	10.1016/j.matpr.2018.4	https://www.journals.elsevier.com/materials-today-proceedings	Scopus	
Effects of Addition of Copper Powder in the Dielectric Media (EDM Oil) on Electro-Discharge Machining Performance of Inconel 718 Super Alloys	Binaya Kumar Paul, Santosh Kumar Sahu, Thrinadh Jadam, Saurav Datta, Debabrata Dhupal, Siba Sankar Mahapatra	Mechanical engineering	Materials Today: Proceedings, Elsevier	2018	10.1016/j.matpr.2018.4	https://www.journals.elsevier.com/materials-today-proceedings	Scopus	
Parametric studies on SiC-abrasive jet assisted machining of alumina ceramics	Santosh Kumar Sahu, Thrinadh Jadam, Saurav Datta		Materials Today: Proceedings, Elsevier	2020	10.1016/j.matpr.2020.	https://www.journals.elsevier.com/materials-today-proceedings	Scopus	
"Design and Analysis of Pressure Vessel of 1MEV Dc Accelerator"	Smruti Bijayadarshinee Mohapatra,	Mechanical Engineering	International Journal of Scientific & Engineering Resea	2018	2229-5518	https://www.ijser.org/		
"Study of Mechanical Behavior of Hybrid Polymer Nano Composite Using Taguchi Experimental Design "	Madhusmita Pathal and Kiran Kumar	Mechanical Engineering	International Journal of Advanced Mechanical Engine	2018	ISSN 2250-3234	https://ripublication.com/ijame.htm		
A novel multi-attribute decision making approach for selection of appropriate product conforming ergonomic considerations	PP Mohanty, SS Mahapatra, A Mohar	Mechanical Engineering	Operation Research Perspectives	2018		https://www.sciencedirect.com/science/article/pii/S221471601630166X		

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Multi Response Optimization of Process Parameters during Machining of Aluminium by Satisfaction Function	L R Bhandarkar, PP Mohanty, S K Sarra	Mechanical Engineering	International Journal of Recent Technology and Engin	2019		https://www.ijrte.org/wp-content/uploads/papers/v8i3/C6270098319.pdf			
Experimental investigation and multi-objective optimization of process parameters during machining of AISI 52100 using high performance coated tools	L. R. Bhandarkar, M. Behera, P. P.	Mechanical Engineering	Measurement	2021	0263-2241	https://www.sciencedirect.com/science/article/abs/pii/S0263224120313348			
Effect of moisture absorption on the mechanical properties of ceramic filled Jute/Epoxy hybrid composites	PTR Swain, S Biswas	Mechanical Engineering	IOP Conference Series: Materials Science and Engin	2017		https://iopscience.iop.org/journal/1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/178/1/012010	SCOPUS	
Abrasive wear behaviour of surface modified jute fiber reinforced epoxy composites	PTR Swain, S Biswas	Mechanical Engineering	Materials Research	2017	1980-5373	https://www.scielo.br/j/mr/	https://www.scielo.br/j/mr/a/pl64cKxHz5wv9X7Bzjw4Vz/abstract/?lang=en	SCIE	
Influence of fiber surface treatments on physico-mechanical behaviour of jute/epoxy composites impregnated with aluminium oxide filler	PTR Swain, S Biswas	Mechanical Engineering	Journal of Composite Materials	2017	1530-793X	https://journals.sagepub.com/home/jcm	https://journals.sagepub.com/doi/abs/10.1177/002198317695420	SCI	
A comparative analysis of physico-mechanical, water absorption, and morphological behaviour of surface modified woven jute fiber composites	PTR Swain, S Biswas	Mechanical Engineering	Polymer Composites	2017	2728397	https://onlinelibrary.wiley.com/journal/15480569	https://onlinelibrary.wiley.com/doi/10.1002/pc.24294	SCI	
Manufacturing and study of thermo-mechanical behaviour of surface modified date palm leaf/glass fiber reinforced hybrid composite	PTR Swain, SN Das, SP Jena	Mechanical Engineering	Materials Today Proceedings	2018	2214-7853	https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785318312938	SCOPUS	
Investigation of mechanical and abrasive wear behavior of blast furnace slag-filled needle-punched nonwoven viscose fabric epoxy hybrid composites	PK Patnaik, PTR Swain, S Biswas	Mechanical Engineering	Polymer Composites	2018	2728397	https://onlinelibrary.wiley.com/journal/15480569	https://onlinelibrary.wiley.com/doi/abs/10.1002/pc.25090	SCI	
A study on erosion wear behavior of Id sludge reinforced polypropylene composite	A Purohit, A Satapathy, PTR Swain	Mechanical Engineering	Materials Today Proceedings	2019	2214-7853	https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785319325672	SCOPUS	
Selection of composite materials for structural applications through MCDM approach	PK Patnaik, PTR Swain, A Purohit	Mechanical Engineering	Materials Today Proceedings	2019	2214-7853	https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785319324526	SCOPUS	
Recent developments on characterization of needle-punched nonwoven fabric reinforced polymer composites-a review	PK Patnaik, PTR Swain, SK Mishra	Mechanical Engineering	Materials Today Proceedings	2020	2214-7853	https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785319340970	SCOPUS	
Mechanical and sliding wear characterization of LD sludge filled hybrid composites	A Purohit, PTR Swain, PK Patnaik	Mechanical Engineering	Materials Today Proceedings	2020	2214-7853	https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320311007	SCOPUS	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Analysis of sliding wear behavior of LD sludge filled epoxy composites using response surface methodology	A Purohit, A Satapathy, PTR Swain	Mechanical Engineering	Materials Today Proceedings	2020	2214-7853	https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320316357	SCOPUS
Composite material selection for structural applications based on AHP-MOORA approach	PK Patnaik, PTR Swain, SK Mishra	Mechanical Engineering	Materials Today Proceedings	2020	2214-7853	https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S221478532032678X	SCOPUS
Erosion wear behavior of needle-punched nonwoven fabric (NPNF) reinforced epoxy composites-An evaluation using Taguchi's design	PK Patnaik, SK Mishra, PTR Swain	Mechanical Engineering	Materials Today Proceedings	2020	2214-7853	https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320328236	SCOPUS
The Influence of Moisture Absorption on the Mechanical and Thermal Properties of Chemically Treated DPL Reinforced Hybrid Composite	PTR Swain, SN Das, PK Patnaik, A	Mechanical Engineering	Materials Science Forum	2020	1662-9752	https://www.scientific.net/MSF	https://www.scientific.net/MSF.978.316?utm_source=researcher_ap&utm_medium=referral&utm_campaign=RESR_MRK_T_Researcher_inbound	SCOPUS
Analysis of Erosion Wear Behavior of LD Sludge Filled Polypropylene Composites Using RSM	A Purohit, A Satapathy, PTR Swain	Mechanical Engineering	Materials Science Forum	2020	1662-9752	https://www.scientific.net/MSF	https://www.scientific.net/MSF.978.222?utm_source=researcher_ap&utm_medium=referral&utm_campaign=RESR_MRK_T_Researcher_inbound	SCOPUS
Tribological study on slurry abrasive wear behavior of nonwoven viscose fabric composites with doe approach	PK Patnaik, PTR Swain, A Purohit,	Mechanical Engineering	Surface Review and Letters	2020	1793-6667	https://www.worldscientific.com/worldscinet/srl	https://www.worldscientific.com/doi/abs/10.1142/S0218625X19501853	SCI
Effect of Groundnut Shell Particulate Content on Physical and Mechanical Behavior of Jute-Epoxy Hybrid Composite	PK Patnaik, SK Mishra, PTR Swain	Mechanical Engineering	Journal of The Institution of Engineers (India): Series E	2020	22502483	https://www.springer.com/journal/40034	https://link.springer.com/article/10.1007/s40034-020-00185-y	SCOPUS
Stochastic nonlinear bending analysis of piezoelectric laminated composite plates with uncertainty in material properties	PR Swain, P Dash, BN Singh	Mechanical Engineering	Mechanics Based Design of Structures and Machines	2021	1539-7734	https://www.tandfonline.com/toc/imbd20/current	https://www.tandfonline.com/doi/abs/10.1080/15397734.2019.1674663	SCI
Buckling analysis of porous FGM sandwich plates under various types nonuniform edge compression based on higher order shear deformation theory	B Adhikari, P Dash, BN Singh	Mechanical Engineering	Composite Structures	2020	0263-8223	https://www.sciencedirect.com/journal/composite-structures	https://www.sciencedirect.com/science/article/abs/pii/S026382232031271X	SCI
Monitoring of friction stir welding for dissimilar Al 6063 alloy to polypropylene using sensor signals	SK Sahu, K Pal, RP Mahto, P Dash	Mechanical Engineering	The International Journal of Advanced Manufacturing	2019	1433-3015	https://www.springer.com/journal/170	https://link.springer.com/article/10.1007/s00170-019-03855-3	SCI
Geometrically nonlinear free vibration analysis of laminated composite plates: A finite element assessment of a higher order non-polynomial shear deformation theory	B Adhikari, P Dash	Mechanical Engineering	Mechanics of Advanced Materials and Structures	2019	1537-6532	https://www.tandfonline.com/toc/umcm20/current	https://www.tandfonline.com/doi/abs/10.1080/15376494.2018.1553259	SCI
A higher-order polynomial shear deformation theory for geometrically nonlinear free vibration response of laminated composite plate	PR Swain, B Adhikari, P Dash	Mechanical Engineering	Mechanics of Advanced Materials and Structures	2019	1537-6532	https://www.tandfonline.com/toc/umcm20/current	https://www.tandfonline.com/doi/abs/10.1080/15376494.2017.1365981	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Friction stir welding of polypropylene sheet	Santosh K Sahu, Debasish Mishra, Raju P Mahto, Vyas M Sharma, Surjya K Pal, Kamal Pal, Susanta Banerjee, Padmanav Dash	Mechanical Engineering	Engineering science and technology, an international	2018	2215-0986	https://www.sciencedirect.com/journal/engineering-science-and-technology-an-international-journal	https://www.sciencedirect.com/science/article/pii/S2215098617308327	SCI
Improvement of surface quality of INCONEL 718 in EDM machining using MRSN and utility method	Sunita Singh Naik, Jaydev Rana, Prasanta Nanda	Mechanical Engineering	International Journal of Recent Technology and Engine	2019	2277-3878			SCOPUS
Improvement of surface quality of inconel-625 using utility method in edm machining by varying current densities	Sunita Singh Naik, Jaydev Rana, Prasanta Nanda	Mechanical Engineering	International Journal of Recent Technology and Engine	2019	2249-8958			SCOPUS
Using TOPSIS Method to Optimize the Process Parameters of D2 Steel on Electro-Discharge Machining	Sunita Singh Naik, Jaydev Rana, Prasanta Nanda	Mechanical Engineering	International Journal of Mechanical Engineering and T	2018				SCOPUS
Optimization of the Process Parameters of D2 Steel on EDM using Grey Relational Analysis"	Sunita Singh Naik, Jaydev Rana	Mechanical Engineering	International Journal of Mechanical Engineering and T	2018				SCOPUS
Experimental Analysis of Wire EDM Process Parameters for Micromachining of High Carbon High Chromium Steel by Using MOORA Technique	Sarat Kumar Sahoo,Sunita Singh Naik,Jaydev Rana	Mechanical Engineering	Micro and Nano Machining of Engineering Materials	2019				SCOPUS
Optimisation of WEDM process parameters during machining of HCHCr steel using TOPSIS method	Sarat Kumar Sahoo,Sunita Singh Naik,Jaydev Rana	Mechanical Engineering	International Journal of Process Management and Be	2019				SCOPUS
Multi-response optimization of Nd:YAG Laser for Micro-drilling of 304 Stainless steel using Grey relational analysis	Alok Bara, Sarat Kumar Sahoo, Sunita Singh Naik	Mechanical Engineering	Advances in 3D Printing and Additive Manufacturing T	2017				SCOPUS
Investigations on joining of stainless steel tailored blanks by μ -PTA process	Dwibedi, S., Jain, N. K., & Pathak, S.,	Mechanical Engineering	Materials and Manufacturing Processes	2018	1851-1863	https://www.tandfonline.com/toc/lmmp20/current	https://www.tandfonline.com/doi/abs/10.1080/10426914.2018.1476766	SCI
Development of Micro-Plasma Arc Welding System for Different Thickness Dissimilar Austenitic Stainless Steels	Dwibedi, S., Bag, S	Mechanical Engineering	Journal of The Institution of Engineers (India): Series C	2021	657-671	https://link.springer.com/journal/40032	https://link.springer.com/article/10.1007/s40032-021-00696-6	Scopus
A comparative study on microstructural and mechanical behaviour of spot welded Ti-6Al-4V alloy in as-welded and solution treated condition	Kumar, B., *Dwibedi, S., Bag, S	Mechanical Engineering	Advances in Materials and Processing Technologies	2021	1-16	https://www.tandfonline.com/toc/tmpt20/current	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2021.1934648	Scopus
Influence of process parameters on microstructural evolution, solidification mode and impact strength in joining of stainless steel thin sheets	*Dwibedi, S., Bag, S	Mechanical Engineering	Advances in Materials and Processing Technologies	2021	1-16	https://www.tandfonline.com/toc/tmpt20/current	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2021.1927645	Scopus
On the interaction of cooling rate with thermal-microstructural-mechanical characteristics of laser-welded $\alpha + \beta$ titanium alloy	Kumar, B., *Dwibedi, S., Bag, S., Mahapatra, M., Gupta, R.,	Mechanical Engineering	Advances in Materials and Processing Technologies	2021	1-15	https://www.tandfonline.com/toc/tmpt20/current	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2021.1946337	Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Multi-response Optimization in wire electrical discharge machining (WEDM) of D2 steel using utility approach	I Nayak and J Rana	Mechanical Engineering	Manufacturing Review	2021	Article No 16	https://mfr.edp-open.org/articles/	https://doi.org/10.1051/mfreview/2021014	Scopus
Precision Multi-Response Optimization of Performance Characteristics in Wire-Cut Electric Discharge Machining (WEDM)Process	I Nayak and J Rana	Mechanical Engineering	Journal of Mechanical Engineering	2020	39-54	https://jmeche.uitm.edu.my/wp-content/uploads/2020/10/4-R1-17-3-P20-05.pdf		Scopus
Sliding wear characteristics through an Artificial Neural Network of Alumina-Aluminum nano- composite produced by non contact ultra sonic cavitation method	M.K Mahapatra, VK Ray, B. Satpathy, J Rana	Mechanical Engineering	Advances in Mechanics	2022	1457-1470	https://www.researchgate.net/publication/366020158		Scopus
A WEDM investigation of Alumina-Metal Matrix nano composites fabricated by non contact ultrasonic cavitation method by multi response signal to noise ratio (MRSN) Approach	M.K Mahapatra, P Padhi, J Rana, B. Satpathy,	Mechanical Engineering	Industrial Engineering Journal	2022	741-753	ISSN: 0970-2555		UGC
Bio-dielectrics to improve the performance of electro-discharge machining an investigation for cleaner production opportunities	Sethy,S., Behera,R. K., Muduli, K., Kandasamy, J., Davim,J.P., and Rana, J.	Mechanical Engineering	Advances in Materials and Processing Technologies	2023				ESCI
Experimental investigation on the performance variations of three different work piece materials in EDM with variation of thermo-physical properties	Sethy,S., Behera,R. K., Rana, J., &Muduli, K.	Mechanical Engineering	International journal of process Management and Ber	2023	15(1),46-72			ESCI
Effect of thermo-physical properties of the tool materials on the electro-discharge machining performance of Ti-6Al-4V and SS316 workpiece materials	Sethy,S., Behera,R. K., Davim, J.P., & Rana, J.	Mechanical Engineering	Journal of manufacturing and materials processing	2022	6(5),96			SCI
Numerical prediction of hole profile in laser drilling process and experimental validation	B.B. Satapathy ,J.Rana and K.P.Maity	Mechanical Engineering	International Journal of Advanced Manufacturing Techn	2017	3099-3107	DOI:10.1007/s00170-016-9519-y		SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
						 https://pdf.sciencedirectassets.com/305927/1-s2.0-S2214785317X00205/1-s2.0-S2214785317315687/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VlECoaCXVzLWVhc3QtMSJlMEYlQCoPElSmdlT27lZGmDV3gpEYlMhPhIEcv1SA0B45k5hKAlhAOzKgAN%2F%2FHa5OvP6drtmcrOBTW2sobtiQQIAPi9abOhmKvoDCFYQBBoMMDU5MDAzNTQ2ODY1lgwfnW55TpWlPacxjHEq1wNloFxlgt8OaEnYiSl%2BkxPBYSYyeUVlJCFOPd80lS2dJodPMP49cv20xxrMO%2F%2F1bJ05%2BmCzBfeFnEbhslPvoK07nBOEXnNRRE4tqiH%2BKeChMeiOCF2Htf2RlgyQ2vVl%2BRSJmLL%2B6XbDW2SWomhgZaW%2BzONkUjhBoK%2Bv55KDH9XnhHOvN4lU1FRlqP5JSQAVEEzu5ylpIvivou%2F6bUEtj9bbqD3gaa5tXMnlFCW7NHOUJMoQc6k9XNTTyzMNeLdwAN613cnm7S5e5waRWcWkElvdNBdMkEvzPR%2F%2FT3TnAPHKNZXBWm2ImNNieT7eSNw9%2B2f1NEOPH4GrKd4rrJpT0OFl4kimpv11nnJHGaSHiNpcoS6Z5UwMzoD8vUEWNPBY4Kdkdo85UNUzsahBKUZ4DNip5v6muZUhhU5la3qmV.R56BIl83txblDr9fVxzZlGHMINcCmfdlttzQQodwBFerqs10%2F7dnp32AAFDOfrEc3f07FUldykQ0%2B5ky6OUTVhKMgY%2FuWVhUGUZ4QStpksB2HQd0pRdyO%2FIQFwOPzhd%2BEqtinoVPzvHc4JtZy1bOF8LAsqglV8zPq1qAfs%2Bq9361kj2Spj0d931Akucaani80d3d24wneLniAY6pAE2iNkbsE5nHMMRqdS625IW3wgtte5GWbFJD0ag2Ksm3TQvGXz8Z8gJKuhwkEbK3O1yMWHtp7qBzo5Z7lpuAKduUzx9SD4cQnV42vbB5UA3k%2FPAiIHmOGDbkpiA%2BiUmtl0vg2j1LSJF5NiNDsgLh2%2BxM8VeIH8vZlHik3kgzTmPcehGpOW6FSMtjN5HhA1OSnfigBPKwM 			

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years								
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years								
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Performance Optimization in Electro Discharge Machining using a suitable multi-response optimization technique	I Nayak, J Rana and A. Parida	Mechanical Engineering	Decision Science Letter	2017	283-294	DOI: 10.5267/j.dsl.2016.12.002	SCOPUS	
Selection of a Suitable Multi-response Optimization Technique for Turning Operation	I Nayak and J Rana	Mechanical Engineering	Decision Science Letter	2016	129-142	DOI: 10.5267/j.dsl.2015.7.003	SCOPUS	
Neural Based Controller for Smart Detection of Crack in Cracked Cantilever Beam"	Sutar,M.K.,Pattnaik,S., Rana,J.	Mechanical Engineering	Materials Today:Proceedings	2015	2648-2653	https://doi.org/10.1016/j.matpr.2015.07.225	SCOPUS	
Multi-objective Optimization of the EMS Processed IC by Grey-fuzzy Method	Sutar,M.K.,Pattnaik,S.,Rana,J.	Mechanical Engineering	Materials Today:Proceedings	2015	2555-2561	https://www.semanticscholar.org/paper/Multi-objective-Optimization-of-the-EMS-Processed-Pattnaik-Sutar/e2d3d311d4ca460782607246f00dc786a1541fba	SCOPUS	
Effect of hardening on fatigue life of C-40 steel" Strength, Fracture and Complexity	Pradhan P., Rana J and Mishra C.	Mechanical Engineering	Strength, Fracture and Complexity		273-283	DOI: 10.3233/SFC-2012-0143	SCOPUS	
Experimental studies on the microstructure and hardness of laser-treated steel specimens	Rana J., Goswami G.L., Jha S.K., Mishra P.K. and Prasad B. V.S.S.S.	Mechanical Engineering	Journal of Optics and Laser Technology	2007	385-393	https://coek.info/pdf-experimental-studies-on-the-microstructure-and-hardness-of-laser-treated-steel-s.html	SCI	
Case Hardening of Laser Treated Steel Specimen Using Energy Integral Method"	Rana J., Prasad B.V.S.S.S and Mishra P.K	Mechanical Engineering	Journal of Materials Processing and Manufacturing Sc	1998	229-238	https://publications.iitm.ac.in/publication/case-hardening-of-laser-treated-steel-specimen-using-energy	SCOPUS	
A Transient Three Dimensional Thermal Model for Laser Heat Treatment of Finite Size Work pieces	Rana J., Mishra P.K and Prasad B.V.S.S.S	Mechanical Engineering	Journal of Materials Processing and Manufacturing Sc	1997	283-293	https://publications.iitm.ac.in/publication/a-transient-three-dimensional-thermal-model-for-laser-heat	SCOPUS	
Development and characterization of epoxy-based composites filled with Linz-Donawitz sludge	Abhilash Purohit and Alok Satapathy	Mechanical Engineering	Journal of Composite Materials	2017	0021-9983	https://journals.sagepub.com/home/jcm	SCI	
Processing, characterization, and parametric analysis of erosion behavior of epoxy-LD sludge composites using Taguchi technique and response surface method	Abhilash Purohit and Alok Satapathy	Mechanical Engineering	Polymer Composites	2018	1548-0569	https://onlinelibrary.wiley.com/journal/15480569	SCI	
Tribological study on slurry abrasive wear behavior of nonwoven viscose fabric composites with doe approach	PK Pattnaik, PTR Swain, Abhilash Purohit, S Biswas	Mechanical Engineering	Surface Review and Letters	2019	1793-6667	https://www.worldscientific.com/worldscinet/srl	SCI	
Evaluation of Surface Response of Ficus Benghalensis Fiber-Epoxy Composites Under Dry Sliding Wear Conditions	Chinmayee Das Srimant Kumar Mishra and Abhilash Purohit	Mechanical Engineering	Journal of The Institution of Engineers (India): Series E	2020	2250-2483	https://www.springer.com/journal/40034	Scopus	
Grey-Fuzzy Hybrid Optimization for Thermohydrodynamic Performance Prediction of Misaligned Rough Elliptic Bore Journal Bearing	SK Pradhan R Kumar PC Mishra	Mechanical Engineering	MDPI-Lubricant	2022	274-	http://dx.doi.org/10.3390/lubricants10100274	SCIE	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Piston Compression Ring Elastodynamics and Ring-Liner Elastohydrodynamic Lubrication Correlation Analysis	S Biswal PC Mishra	Mechanical Engineering	MDPI-Lubricant	2022	10(12):356	http://dx.doi.org/10.3390/lubricants10120356			SCIE
Framework for Energy-Averaged Emission Mitigation Technique Adopting Gasoline-Methanol Blend Replacement and Piston Design Exchange	PC Mishra A Gupta R Ishaq F Khoshnaw	Mechanical Engineering	MDPI-Energies	2022	15-(19)	http://dx.doi.org/10.3390/en15197188			SCIE
Finite Element Modelling for Failure Prevention of Coated Piston Compression Ring	P Tiwari PC Mishra F Khoshnaw	Mechanical Engineering	IJMME-IGI Global	2022	12(1)	http://dx.doi.org/10.4018/IJMME.299057			SCIE
Computer Simulation and Optimization of Elliptic Bore Journal Bearing	SK Pradhan R Kumar PC Mishra	Mechanical Engineering	Tribology in Industry	2022	44(1):322-333	http://dx.doi.org/10.24874/ti.1179.09.21.01			SCOPUS
Application of artificial neural network for lubrication performance evaluation of rough elliptic bore journal bearing	SK Pradhan P Mishra PC Mishra	Mechanical Engineering	Journal of Computational Design and Engineering-Oxf	2022	9(2):279-295	http://dx.doi.org/10.1093/jcde/qwab004			SCIE
Mitigation strategy of Carbon dioxide emissions through multiple muffler design exchange and gasoline-methanol blend replacement	PC Mishra R Ishaq F Khoshnaw	Mechanical Engineering	Journal of Cleaner Production-Elsevier	2021	286	http://dx.doi.org/10.1016/j.jclepro.2020.125460			SCIE
An FEA material strength modelling of a coated engine piston	AK RayChoudhury Ayan Banerjee F Khoshnaw PC Mishra	Mechanical Engineering	Materials Today: Proceedings,Elsevier	2021		http://dx.doi.org/10.1016/j.matpr.2020.11.387			SCOPUS
Material modeling and optimization of rough elliptic bore journal bearing	SK Pradhan R Kumar PC Mishra	Mechanical Engineering	Materials Today: Proceedings,Elsevier	2021	44(3)	http://dx.doi.org/10.1016/j.matpr.2020.11.174			SCOPUS
Methanol and petrol blended alternate fuel for future sustainable Engine: A performance and emission analysis	PC Mishra A Gupta A Kumar A Bose	Mechanical Engineering	Measurements: Elsevier	2020		http://dx.doi.org/10.1016/j.measurement.2020.107519			SCIE
Thermal Modeling of Thin Lubricant Film Within Piston Compression Ring and Rough Cylinder Liner Conjunction	PC Mishra	Mechanical Engineering	Frontiers in Mechanical Engineering	2020	6:08	http://dx.doi.org/10.3389/fmech.2019.00068			ESCI
Combine experimental and FEM analysis of adhesive bonded single lap joint with Al-alloy flat adherends and pre-embedded artificial defects	P Sahu PC Mishra	Mechanical Engineering	SN-Applied Sciences	2019	1(11):1455	https://link.springer.com/article/10.1007/s42452-019-1535-8			ESCI
Optimization of emission characteristics of spark ignition engine with chambered straight muffler running in methanol blend: An engine development technique for environmental sustainability	A Gupta PC Mishra	Mechanical Engineering	Journal of Cleaner Production-Elsevier	2019	2200:58:00	http://dx.doi.org/10.1016/j.jclepro.2019.117778			SCIE
Modeling for Design Optimization of Piston Crown Geometry Through Structural Strength and Lubrication Performance Correlation Analysis	S Kumar PC Mishra	Mechanical Engineering	Frontiers in Mechanical Engineering	2019	5	http://dx.doi.org/10.3389/fmech.2019.00017			ESCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
Optimisation of emission characteristics of petrol engine running on alternate fuel and fitted with chambered type muffler: Combined CFD and experimental methods	A Gupta PC Mishra	Mechanical Engineering	Oxidation Communications	2018	41(1)		SCIE
Emission and Friction Analysis of IC Engine Running in Methanol Blend		Mechanical Engineering	Tribology in Industry	2018	40(1):10-18	http://dx.doi.org/10.24874/ti.2018.40.01.02	SCOPUS
Effect of perforation on exhaust performance of a turbo pipe type muffler using methanol and gasoline blended fuel: A step to NOx control	PC Mishra S Kar H Mishra	Mechanical Engineering	Journal of Cleaner Production-Elsevier	2018	183	http://dx.doi.org/10.1016/j.jclepro.2018.02.236	SCIE
Mechanical characterization of kenaf/glass fibre hybrid composite laminates: An experimental and numerical approach. Mechanical Engineering. 2022;0(0)	Mohapatra DK, Deo CR, Mishra P, Ekka KK, Mishra C.	Mechanical Engineering	Proceedings of the Institution of Mechanical Engineer	2020		.doi:10.1177 /09544089221136813	
Preparation and analysis of a hybrid ceramic shell for investment casting.	Pattnaik, S., Sutar, M.K.	Mechanical Engineering	Int J Adv Manuf Technol	2022	122, 2513–2527		
Advanced Taguchi-Neural Network Prediction Model for Wire Electrical Discharge Machining Process	Pattnaik, S., Sutar, M.K.	Mechanical Engineering	Process Integration and Optimization for Sustainability	2021	5, 159-172, 2021		
Investigation on the Influence of Polyethylene Wax Powder on the Characteristics of Ceramic Shells Used for Investment Casting	Pattnaik, S., Sutar, M.K.	Mechanical Engineering	silicon	2021		https://doi.org/10.1007/s12633-021-01386-9	
Enhancement of Ceramic Slurry Rheology in Investment Casting Process,	Pattnaik, S., Sutar, M.K.	Mechanical Engineering	Arabian Journal for Science and Engineering.	2021	46, 12065–12076		
Impact of distinct alkaline treatment on natural plant fibre reinforced polymer composites	S. Kar, J. Jena, S. Bhoi, S. Pattnaik, M.K. Sutar	Mechanical Engineering	Proceedings of the Institution of Mechanical Engineer	2023	Sage	https://doi.org/10.1177/09544062231168723	SCI
Impact of nano-marble dust on characteristic development of sisal-jute hybrid composites	S. Kar, S. Mishra, S. Pattnaik, M.K. Sutar	Mechanical Engineering	Proceedings of the Institution of Mechanical Engineer	2023	Sage	https://doi.org/10.1177/	SCI
Preparation and analysis of a hybrid ceramic shell for investment casting	S. Pattnaik, M.K. Sutar	Mechanical Engineering	The International Journal of Advanced Manufacturing	2022		https://doi.org/10.1007/s00170-022-10054-0	SCI
Investigation of the Foundry Properties of the Locally Available Sands for Metal Casting,	P K Sahoo, Sarojrani Pattnaik and MK Sutar	Mechanical Engineering	silicon	2021		https://doi.org/10.1007/s12633-020-00677-x.	
Ballistic performance of green woven fabrics – A short review	S. Kar, S. Pattnaik, M.K. Sutar	Mechanical Engineering	Materials Today Proceedings	2022	Elsevier	https://doi.org/10.1016/j.matpr.2022.04.813	Scopus
Dynamic characteristic of graphene reinforced axial functionally graded beam using finite element analysis		Mechanical Engineering	Materials Today Proceedings	2022	Elsevier Science	https://doi.org/10.1016/j.matpr.2022.04.636	Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A generalized finite element approach to the free vibration analysis of non-uniform axially functionally graded beam	R.P. Sahoo, M.K. Sutar, S. Pattnaik	Mechanical Engineering	Scientia Iranica: International Journal of Science and Technology	2022			10.24200/SCI.2021.57274.5151	SCI
Investigation on the Influence of Polyethylene Wax Powder on the Characteristics of Ceramic Shells Used for investment Casting	S. Pattnaik, M.K. Sutar	Mechanical Engineering	Silicon	2021			https://doi.org/10.1007/s12633-021-01386-9	SCI
Enhancement of Ceramic Slurry Rheology in Investment Casting Process	S. Pattnaik, M.K. Sutar	Mechanical Engineering	Arabian Journal for Science and Engineering	2021			https://doi.org/10.1007/s13369-021-05834-x	SCI
Influence of Ultra-Sonic Drilling on Colloidal Silica Based Ceramic Moulds for Investment Casting	S. Pattnaik, M.K. Sutar	Mechanical Engineering	Silicon	2021			https://doi.org/10.1007/s12633-021-01166-5	SCI
Advanced Taguchi-Neural Network Prediction Model for Wire Electrical Discharge Machining Process	S. Pattnaik, M.K. Sutar	Mechanical Engineering	Process Integration and Optimization for Sustainability	2021			https://doi.org/10.1007/s41660-020-00148-1	SCOPUS
Tensile properties and regression analysis of natural fiber and intralaminar mat reinforcement	S. Dwivedi, S. Pattnaik, M.K. Sutar	Mechanical Engineering	Materials Today Proceedings	2021	Elsevier		https://doi.org/10.1016/j.matpr.2020.11.963	SCOPUS
Analysis of surface roughness of high carbon steel by WEDM	S. Pattnaik, M.K. Sutar	Mechanical Engineering	Materials Today Proceedings	2021	Elsevier		https://doi.org/10.1016/j.matpr.2020.11.959	SCOPUS
AFM, Nano-indentation and TEM characterization study of HFCVD diamond on Tantalum and Diamond seeded cemented carbide inserts	A. Jena, B. B. Palei, S. K. Pattnaik, S. K. Sarangi	Mechanical Engineering	Int. J. Refractory Metals and Hard Materials	2024	Elsevier Science	0263-4368	10.1016/j.jirmhm.2023.106503	SCI
Synthesis of diamond crystal growth on tungsten carbide inserts by HFCVD using various seeding powders	A. Jena, S. K. Pattnaik, B. B. Palei, S. K. Sarangi	Mechanical Engineering	Applied Physics A, Springer	2022	Springer		9.54E+13	SCI
Experimental study and multi-objective optimization of process parameters during turning of 100Cr6 using C-type advanced coated tools	L. R. Bhandarkar, P. P. Mohanty, S. K. Sarangi	Mechanical Engineering	Part C: Journal of Mechanical Engineering Science	2021	SAGE		10.1177/09544062211043144 journals.sagepub.com/home/pic	SCOPUS
Experimental investigation and multi-objective optimization of process parameters during machining of AISI 52100 using high performance coated tools	L. R. Bhandarkar, M. Behera, P. P. Mohanty, S. K. Sarangi	Mechanical Engineering	Measurement, Elsevier Science	2021	Elsevier Science		https://doi.org/10.1016/j.measurement.2020.108842	SCOPUS
Study of cutting force and tool wear during turning of aluminium with WC, PCD and HFCVD coated MCD tool	S. K. Pattnaik, M. Behera, S. Padhi, P. R. Dash, S. K. Sarangi	Mechanical Engineering	Manufacturing Review, EDP Sciences	2020	EDP Sciences		https://doi.org/10.1051/mfreview/2020026	SCOPUS
The effect of transition-metal seeding powder on deposition and growth of diamond synthesized by hot filament chemical vapor deposition processes on cemented carbide substrates and its characterization	M. Behera, A. Jena, S. K. Pattnaik, S. Padhi, S. K. Sarangi	Mechanical Engineering	Materials Chemistry and Physics, Elsevier Science	2020	Elsevier Science		10.1016/j.matchemphys.2020.123638	SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Influence of substrate bias on performance of diamond coating on WC cutting inserts for machining of aluminium by HFCD process	D. K. Sahu, S. K. Sarangi, K. U. Sri	Mechanical Engineering	International Journal of Materials Engineering Innovat	2020	Inderscience	https://dx.doi.org/10.1504/IJMATEI.2020.112096	SCOPUS	
Influence of cutting parameters on cutting forces and surface roughness in dry turning of Al. using PCD and different coated tools	R. Kumar, S. K. Pattnaik, J. K. Minz, S. Padhi, S. K. Sarangi	Mechanical Engineering	Sadhana, Academic of Sciences, Springer	2019	Academic of Sciences, Springer	10.1007/s12046-019-1155-4Sadhana(0123456789(1),-volV)FJT(30123456789(1),-volV)	SCOPUS	
Preparation and analysis of a hybrid ceramic shell for investment casting	Sarojani Pattnaik and Mihir Kumar Sutar	Mechanical Engineering	The International Journal of Advanced Manufacturing	2022		10.1007/s00170-017-0307-0	SCOPUS	
						10.1016/j.ijrmhm.2011.07.007	SCOPUS	
Erosion Wear Behaviour of Kenaf/Glass Hybrid Polymer Composites	Punyapriya Mishra and Kiran Kumar Ekka	Mechanical Engineering	Journal of Harbin Institute of Technology	2022		10.1016/j.surfcoat.2009.07.038	SCI	
<u>A comprehensive study on multi-objective design optimization of spur gear</u>	J Alam S Panda		Mechanics Based Design of Structures and Machines 51 (9), 5272-5298			10.1016/j.ijrmhm.2008.04.008	SCOPUS	
<u>A comprehensive review on design and analysis of spur gears</u>	J Alam S Panda P Dash		International Journal on Interactive Design and Manu	2023		10.1016/j.surfcoat.2008.08.047	SCI	
<u>Multi-objective optimisation with finite element analysis of profile shifted altered tooth sum spur gear</u>	J Alam S Panda		Advances in Materials and Processing Technologies, 1	2023		10.1016/j.apsusc.2008.04.065	SCI	
<u>Analysis and prediction of tool wear in dry turning of hardened D3 steel using hybrid insert: A novel wear map approach</u>	D Rath S Panda K pal		Arabian Journal for Science and Engineering 47 (12), 1	2022		10.1016/j.ijrmhm.2007.05.002	SCOPUS	
<u>Analysis and prediction of tool wear in dry turning of hardened D3 steel using hybrid insert: A novel wear map approach</u>	D Rath S Panda		Proceedings of the Institution of Mechanical Engineer	2022		10.1016/j.apsusc.2007.10.104	SCI	
<u>A multi-objective approach for local path planning of autonomous mobile robot based on metaheuristics</u>	S. Pattnaik S. Panda & D Mishra		Concurrency and Computation: Practice and Experience 34 (10), e6801					
Determination of Optimum Machining Parameters for Face milling Process of Ti6Al4V Metal Matrix Composite	Layatitdev Das , Rakesh Nayak , Kuldeep K. Saxena , Jajneswar Nanda , Shakti Prasad Jena	Mechanical Engineering	Materials,	2022	MDPI	15, 4765	https://doi.org/10.3390/ma15144765	SCOPUS
<u>A comparative study of meta-heuristics for local path planning of a mobile robot</u>	S. Pattnaik S. Panda & D Mishra	Mechanical Engineering	Engineering Optimization 54 (1), 134-152					
Entropy Generation Study of Turbine Exhaust Gas Through an Infrared Suppression Device", Journal of Thermophysics and Heat Transfer	Vikrant Chandrakar, Arnab Mukherjee, Jnana Ranjan Senapati and Aurovinda Mohanty	Mechanical Engineering	Journal of Thermophysics and Heat Transfer	2021		https://arc.aiaa.org/loi/jtth	https://doi.org/10.2514/1.76411	SCI
Conjugate free convection with surface radiation from real-scale IRS system with multiple conical funnels: A numerical analysis	Vikrant Chandrakar, Arnab Mukherjee, Jnana Ranjan Senapati and Aurovinda Mohanty	Mechanical Engineering	International Communications in Heat and Mass Trans	2022	Online ISSN: 1879-0178	https://www.sciencedirect.com/journal/international-communications-in-heat-and-mass-transfer	https://doi.org/10.1016/j.icheatmasstransfer.2022.106004	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Natural Convection With Surface Radiation From the Infrared Suppression Device and Estimation of Cooling Time: A Computational Analysis	Vikrant Chandrakar, Jnana Ranjan Senapati & Aurovinda Mohanty	Mechanical Engineering	Journal of Thermal Science and Engineering Applications	2022	eISSN: 1948-5093	https://asmedigitalcollection.asme.org/thermalscienceapplication	https://doi.org/10.1115/1.4054846	SCI	
Cooling Characteristic of an Infrared Suppression Device with Single Perforated Funnel: A Computational Fluid Dynamics Approach	Aurovinda Mohanty, Santosh Kumar Senapati and Manoj Kumar Dash	Mechanical Engineering	Journal of Thermal Science and Engineering Applications	2022	eISSN: 1948-5093	https://asmedigitalcollection.asme.org/thermalscienceapplication	https://doi.org/10.1115/1.4055263	SCI	
Performance improvement of a heat sink with triangular slotted and interrupted fins: A computational study	Rahul Ray, Aurovinda Mohanty*, Pandab Patro and Santosh Kumar Senapati	Mechanical Engineering	Applied Thermal Engineering	2023	Online ISSN: 1873-5604	https://www.sciencedirect.com/journal/applied-thermal-engineering	https://doi.org/10.1016/j.applthermaleng.2023.120783	SCI	
Analysis of parametric instability of a	Nayak, D.K.; Pradhan, M.; Jena, P.K.; Dash, P	Mechanical Engineering	Noise and Vibration Worldwide	2021				Scopus	
Multi robot path planning using improved particle swarm optimization algorithm through novel evolutionary operator	Das, P.K, Jena P.K	Mechanical Engineering	Applied soft computing	2020				SCI	
Studies on metallurgical and corrosion characteristics of dissimilar GTAW welding of alloy 800 and SS316L using multicomponent activated flux	Nilakantha Sahu	MME	Materials Today: Proceedings	2021		https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320403244#	Scopus	
Synthesis, characterization and optical property study of BCNO and BCN related nanopowder	Subhadra Sahoo	MME	Diamond & Related Materials	2019		https://www.sciencedirect.com/science/article/pii/S0925963518307052	https://www.semanticscholar.org/paper/Synthesis%2C-characterization-and-optical-property-of-Bhattacharyya-Sahoo/2ba1c1907238f7bd270d3d2fbed34c3920431562	SCI	
Low cost high performance SnO ₂ -Cu electrode for use in direct ethanol fuel cell	Subhadra Sahoo	MME	Crystals	2021		https://www.mdpi.com/2073-4352/11/1/55	Crystals 2021, 11(1), 55; https://doi.org/10.3390/cryst11010055	scopus	
Dry Sliding Wear Behaviour of Al-Si-TiB ₂ In-Situ Composites	Subhadra Sahoo	MME	International Journal of Advanced Mechanical Engineering	2018		https://www.ripublication.com/ijamev8n1spl_04.pdf	https://www.ripublication.com/ijamev8n1spl_04.pdf	Scopus	
ductile tearing resistance indenting of automotive grade DP 590 Steel sheets: EWF testing using DENT Specimens	Subhadra Sahoo	MME	Journal of Materials Engineering and Performance	2018		https://link.springer.com/article/10.1007/s11665-018-3293-y	https://ui.adsabs.harvard.edu/abs/2018JMEP.tmp.15255/abstract	Scopus	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
						<p>https://pdf. sciencedirectassets. com/305927/1-s2.0- S2214785319X00462/1- s2.0- S2214785319322564/ma in.pdf?X-Amz-Security- Token=IQoJb3lp2ZluX2Vj EMz%2F%2F%2F%2F% 2F%2F%2F%2F%2F% 2FwEaCXvZLWVhc3QtM5 JGMEQCidV% 2BysPNQgpdE4% 2FRF3H6ti% 2FWiP1KggQAS5PbF222% 2FibAiAr4e% 2Fn2JoagdS7xQ5i65M1p attYw5NtrYwONow0% 2BzRiqDBAjl%2F%2F% 2F%2F%2F%2F%2F%2F% 2F% 2F8BEAQaDDA1OTAwMz UONJg2NSIMEEh1OO7Th zRQ8TZDKtCdx4sz5su% 2BQ% 2FwkadU0YXvqHRrv9D3E IOEL1VdYdMDTK5K8Xl% 2FpZfwVW2S0upVMxu kEBXTWMmnjBBF7d8RU PL9HSnc1E00Lrp% 2F7vhMwT7jtclgZQBxHFH SZoE%2FilySfAXRCrY% 2F54T40M5rE8i2EPsgl% 2B34QED7imwmwC3OxD % 2FMJqwdJwq4DBFW2E Man59BvsNNRHwU1714 Kcm% 2BVTf0aUg4Cc25kaYGS 9MmjYDgWUB% 2BU8fkeg3wn4ooA0nsm Fjj% 2BrlXb8Xxh6Yya4r1YhwgJ 71iy85ktq4EUxyQ969z zdN9G9OnlKkvniv526tv 3Boryn1rnaOuVXVII78M idq0GsyM91N1s% 2F1PN% 2BzdBOa52W8MGG72wh 5VD77ORxc5%2Fjgk% 2FaYsnQdicvTuKOH1Q4 8NDE% 2BeAoiEHWUS1VVsxGgn IPwHam4mbDDp8% 2BV7MvouOR8IUqSb4klq bytRrlL9z% 2BXlBnP4ebQ% 2BTIIIXaDWUX% 2F5H1a63qfHDeCA5fjVO 8w%2Fwww3% 2BQN7IEOQCnADD1Cml OIS2k% 2FCFvQHRmsj24M49XH npV2LWOCTfoRoQMwSo rujERHLcCO2fHMAPqZO Q8mOyvNLu3U1Da5abp khFrCH92NdlEMLK6w0og GOqYBcJ0dU1rOivnYkLp 2OyJlIKR8LkKmxE9ppuQ WtVXKnaNkAigC44xq1 4b4CEqml5PjIBmBaYZ37 YCKv1kISJovYhtb65MK wlmjz%2BXPzAS7a%2B% 2Bjllt% 2Fr7thmjaaeSEqezPlbSgF GCsh5zHEUjEAc6el1CzY aQvz8qekGhXodBtoeUz9 qKfWuXqZyTp% 2Fwm28f6AZUymywIA DmKI2icKMc9PpA%3D% 3D&X-Amz- Algorithm=AWS4-HMAC- SHA256&X-Amz- Date=20210812T044321</p>	<p>https://pdf. sciencedirectassets. com/305927/1-s2.0- S2214785319X00462/1-s2.0- S2214785319322564/main. pdf?X-Amz-Security- Token=IQoJb3lp2ZluX2VjEMz %2F%2F%2F%2F%2F%2F%2F% 2F%2F% 2FwEaCXvZLWVhc3QtM5JGME QCidV%2BysPNQgpdE4% 2FRF3H6ti% 2FWiP1KggQAS5PbF222% 2FibAiAr4e% 2Fn2JoagdS7xQ5i65M1pattYw 5NtrYwONow0% 2BzRiqDBAjl%2F%2F%2F%2F% 2F%2F%2F%2F%2F% 2F8BEAQaDDA1OTAwMzUONJ g2NSIMEEh1OO7ThzRQ8TZDKt Cdx4sz5su%2BQ% 2FwkadU0YXvqHRrv9D3EIOEL 1VdYdMDTK5K8Xl% 2FpZfwVW2S0upVMxukEBXT WMmnjBBF7d8RupL9HSnc1E 00Lrp% 2F7vhMwT7jtclgZQBxHfFSzOE %2FilySfAXRCrY% 2F54T40M5rE8i2EPsgl% 2B34QED7imwmwC3OxD% 2FMJqwdJwq4DBFW2EMan5 9BvsNNRHwU1714Kcm% 2BVTf0aUg4Cc25kaYGS9Mm jYDgWUB% 2BU8fkeg3wn4ooA0nsmFjj% 2BrlXb8Xxh6Yya4r1YhwgJ71iy8 5ktq4EUxyQ969zdzN9G9Onl Kkvniv526tv3Boryn1rnaOu VXVII78Midq0GsyM91N1s% 2F1PN% 2BzdBOa52W8MGG72wh5VD 77ORxc5%2Fjgk% 2FaYsnQdicvTuKOH1Q48NDE % 2BeAoiEHWUS1VVsxGgnIPwH am4mbDDp8% 2BV7MvouOR8IUqSb4klqbytRr lL9z%2BXlBnP4ebQ% 2BTIIIXaDWUX% 2F5H1a63qfHDeCA5fjVO8w% 2Fwww3% 2BQN7IEOQCnADD1CmlOIS2k % 2FCFvQHRmsj24M49XHnpV2L WOCTfoRoQMwSorujERHLcCO 2fHMAPqZO8mOyvNLu3U1Da5 abpkhFrCH92NdlEMLK6w0og GOqYBcJ0dU1rOivnYkLp2OyJl IKR8LkKmxE9ppuQWtVXKna NkAigC44xq14b4CEqml5PjIB mBaYZ37YCKv1kISJovYhtb65 MKwlmjz%2BXPzAS7a%2B% 2Bjllt% 2Fr7thmjaaeSEqezPlbSgFGsh</p>

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Agglomeration behavior of solid waste materials in steel plants	Dinesh Kumar Mishra/A. Lava Kumar	MME	Emerging Materials Research	2016		https://www.icevirtuallibrary.com/doi/abs/10.1680/jemmr.15.00014	https://www.icevirtuallibrary.com/doi/pdf/10.1680/jemmr.15.00014	SCI
Processing and refinement of steel microstructure images for assisting in computerized heat treatment of plain carbon steel	Dinesh Kumar Mishra	MME	Journal of Electronic Imaging	2017		https://www.spiedigitallibrary.org/journals/Journal-of-Electronic-Imaging/volume-26/Issue-6/063010/Processing-and-refinement-of-steel-microstructure-images-for-assisting-in/10.1117/1.JEI.26.6.063010.short?SSO=1	https://www.spiedigitallibrary.org/journals/Journal-of-electronic-imaging/volume-26/Issue-6/063010/Processing-and-refinement-of-steel-microstructure-images-for-assisting-in/10.1117/1.JEI.26.6.063010.short	SCI
Dislocation Interaction and V-Shaped Growth of the Distorted Structure During Nanoindentation of Cu 20 Ni 20 Al 20 Co 20 Fe 20 (high-entropy alloy)-Coated Copper: A Molecular Dynamics Simulation-Based Study	Dinesh Kumar Mishra/Sushant Kumar BadJena	MME	Transactions of the Indian Institute of Metals	2019		https://link.springer.com/article/10.1007%2Fs12666-018-1471-0	https://link.springer.com/article/10.1007%2Fs12666-018-1471-0#Abs1	SCI
Structural evolution and dislocation behaviour study during nanoindentation of Mo20W20Co20Ta20Zr20 high entropy alloy coated Ni single crystal using molecular dynamic simulation	Dinesh Kumar Mishra/Sushant Kumar BadJena	MME	Molecular Simulation	2019		https://www.tandfonline.com/doi/full/10.1080/08927022.2019.1566606	https://www.tandfonline.com/doi/pdf/10.1080/08927022.2019.1566606?needAccess=true	SCI
Development and Characterization of Al2O3 and SiC reinforced Al-Cu Metal Matrix Hybrid Composites	Dinesh Kumar Mishra/Renu Prava Dalai/Sushant Kumar BadJena	MME	Materials Science Forum	2019		https://www.scientific.net/MSF.978.202	https://www.scientific.net/MSF.978.202	SCOPUS
Microstructure, Mechanical, and Tribological Relationship in Cu-12Al-Ni Alloy with Respect to the Variation of Ni Content	Dinesh Kumar Mishra	MME	Journal of Materials Engineering and Performance	2023		https://www.springer.com/	https://doi.org/10.1007/s11665-023-08538-5	SCI/UGC Care list/SCOPUS
Development of Al-SiC-TiO2 hybrid composite using powder metallurgy route and the influence of TiO2 variation on microstructure and mechanical properties	Dinesh Kumar Mishra	MME	International Journal of Materials Research	2023			https://www.degruyter.com/document/doi/10.1515/ijmr-2022-0085/html	SCI
Fabrication of an Al matrix hybrid composite reinforced with Cu, Al2O3 and TiC by mechanical alloying	Dinesh Kumar Mishra/Renu Prava Dalai/G. Behera	MME	Materials Today: Proceedings	2020		https://www.sciencedirect.com/science/article/pii/S2214785320311597	https://www.sciencedirect.com/sdfe/reader/pii/S2214785320311597/pdf	SCOPUS
An investigation on effects of wire-EDT machining parameters on surface roughness of INCONEL 718	Dinesh Kumar Mishra	MME	Materials Today: Proceedings	2021		https://www.sciencedirect.com/science/article/pii/S2214785320318058	https://reader.elsevier.com/reader/sd/pii/S2214785320318058?token=E4DB5EF7D0403DA07362CB1579ED01A41F764D06BA0744FC85C4D3F9F23F757467CB186FC6DC65E1291993FBF625A4&originRegion=eu-west-1&originCreation=20210810121012	SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
An overview on the effect of heat-treatment and cooling rates on Ni-based super-alloys	Dinesh Kumar Mishra/Renu Prava Dalai	MME	Materials Today: Proceedings	2021		https://reader.elsevier.com/reader/sd/pii/S2214785321050052?token=0B15ACA4B3C91801A1D4F3B35C08CC5B5AC25E7EB8FFA8C3B229F76E1E4A748B2D638CFA982087B7123D588E666D65EB&originRegion=eu-west-1&originCreation=20210810121146 https://www.sciencedirect.com/science/article/pii/S2214785321050057	SCOPUS	
Prospective of Functionalized Graphene as Shape Memory and Self-Healing Polymer: A Review	Dinesh Kumar Mishra	MME	Materials Today: Proceedings	2023		https://www.sciencedirect.com/science/article/pii/S2214785323037847	SCOPUS	
Study of frequency dependence properties of CCTO-BT/polymer composites	Dinesh Kumar Mishra	MME	Proceedings of the Institution of Mechanical Engineer	2023		https://journals.sagepub.com/doi/abs/10.1177/09544062231192178 https://journals.sagepub.com/doi/abs/10.1177/09544062231192178		
Studies on metallurgical and corrosion characteristics of dissimilar GTAW welding of alloy 800 and S5316L using multicomponent activated flux	Sushant Kumar BadJena	MME	Materials Today: Proceedings	2021		https://reader.elsevier.com/reader/sd/pii/S2214785320403244?token=B21FFC0ED01D4A5F36F48158BC50B8E6AA727DE2237AF0A60C6D73DC24A0C1839DDE625B6018E36FC697E580418A0D&originRegion=eu-west-1&originCreation=20210811102924 https://www.sciencedirect.com/science/article/pii/S2214785320403244	SCOPUS	
Improvement in Metal Dissolution from Spent Catalyst by Adapted Acidithiobacillus ferrooxidans	Sushant Kumar BadJena	MME	Biointerface Research in Applied Chemistry	2020		https://biointerfaceresearch.com/wp-content/uploads/2020/07/20695837111_77947803.pdf https://biointerfaceresearch.com/wp-content/uploads/2020/07/20695837111_77947803.pdf	SCOPUS	
Sustainable biomaterials and their applications: A short review	Sushant Kumar BadJena	MME	Materials Today: Proceedings	2020		https://reader.elsevier.com/reader/sd/pii/S2214785320305423?token=FC323D2C23BE75350B80B29DB5AA685CE3C58F711C1E288A47ABC31BAD58D4E5A0D550112ADF4C454103CE4D88C22D732&originRegion=eu-west-1&originCreation=20210811103511 https://www.sciencedirect.com/science/article/pii/S2214785320305423	SCOPUS	
Synthesis of polymer composite materials and their biomedical Applications	Sushant Kumar BadJena	MME	Materials Today: Proceedings	2020		https://reader.elsevier.com/reader/sd/pii/S2214785320306775?token=685D26B8DF11956E07BA5463B432DA57E67AB85BD1FAE086E1545378831FDA59CB3D8E57E5EAE662556054B32B18F08D&originRegion=eu-west-1&originCreation=20210811103736 https://www.sciencedirect.com/science/article/pii/S2214785320306775	SCOPUS	
Optimization in resistance spot welding of CR3 sheets by embedding WC powder at the lap joint	Sushant Kumar BadJena	MME	Materials Today: Proceedings	2018		https://www.sciencedirect.com/science/article/pii/S2214785320306775 https://www.sciencedirect.com/science/article/pii/S2214785320306775	SCOPUS	
Powder Metallurgy Processed Ferrous Composites: A Review	Sushant Kumar BadJena	MME	national Journal of Engineering and Advanced Technol	2017		https://www.ijeat.org/wp-content/uploads/papers/v6i3/C4822026317.pdf https://www.ijeat.org/wp-content/uploads/papers/v6i3/C4822026317.pdf	SCOPUS	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
potential utilization of LD slag and waste glass for composite production	Gautam Behera /Manila Mallik	MME	Materials Today: Proceedings	2020		https://www.sciencedirect.com/science/article/pii/S2214785320316710 https://reader.elsevier.com/reader/sd/pii/S2214785320316710?token=BC7201419AEC358A7DBCC96EDCA2D69F4E2588440D8B3DF6604608C29313C7F73CA559D343D61293421A59E3DF0A7BC&originRegion=eu-west-1&originCreation=20210811105628	scopus
Studies on metallurgical and corrosion characteristics of dissimilar GTAW welding of alloy 800 and SS316L using multicomponent activated flux	Subahdra Sahoo	MME	Materials Today: Proceedings	2021		https://www.journals.elsevier.com/materials-today-proceedings https://www.sciencedirect.com/science/article/pii/S2214785320403244#	Scopus
Microstructure, Mechanical, and Tribological Relationship in Cu-12Al-Ni Alloy with Respect to the Variation of Ni Content	Renu Prava Dalai	MME	Journal of Materials Engineering and Performance	2023		https://www.springer.com/ https://doi.org/10.1007/s11665-023-08538-5	SCI/UGC Care list/SCOPUS
Effect of Thermo-Processing on the Microstructure, Impact Abrasion Wear, and Corrosion Resistance Properties of TiC Reinforced Al-Added Mn Steel Matrix Composite	Renu Prava Dalai	MME	JOM(The Journal of The Minerals, Metals & Materials)	2023		https://www.springer.com/ https://doi.org/10.1007/s11837-023-05974-5	SCI/UGC Care list/SCOPUS
Joule Heating and Viscous Dissipation Effects on Heat Transfer of Hybrid Nanofluids with Thermal Slip	Renu Prava Dalai	MME	Iranian Journal of science and Technology,Transactions	2023		https://www.springer.com/ https://doi.org/10.1007/s40997-023-00681-7	SCI/UGC Care list/SCOPUS
Effect of thermo-mechanical processing on the low impact abrasion and low stress sliding wear resistance of austenitic high manganese steels	Renu Prava Dalai	MME	Wear	2019		www.sciencedirect.com/science/article/pii https://doi.org/10.1016/j.wear.2018.10.013	SCI/UGC Care list/SCOPUS
Relationship between the microstructure and properties of thermomechanically processed Fe-17Mn and Fe-17Mn-3Al steels	Renu Prava Dalai	MME	International Journal of Minerals, Metallurgy and Mat	2019		https://www.springer.com/journal/12613 https://link.springer.com/article/10.1007%2Fs12613-019-1710-3	SCI/UGC Care list/SCOPUS
Effect Of Inter-Critical Heat Treatment On The Microstructure And Properties Of Medium Manganese Steel	Renu Prava Dalai	MME	Materials Today: Proceedings	2019		https://www.sciencedirect.com/science/article/pii/ https://www.sciencedirect.com/science/article/pii/S2214785319321753	UGC Care list/SCOPUS
Development and Characterization of Al ₂ O ₃ and SiC reinforced Al-Cu Metal Matrix Hybrid Composites	Renu Prava Dalai	MME	Materials Science Forum	2020		https://www.scientific.net/MSF.978.202 https://www.scientific.net/MSF.978.202	UGC Care list/SCOPUS
Fabrication of an Al matrix hybrid composite reinforced with Cu, Al ₂ O ₃ and TiC by mechanical alloying	Renu Prava Dalai	MME	Materials Today: Proceedings	2020		https://www.sciencedirect.com/science/article/pii/ https://www.sciencedirect.com/sdfe/reader/pii/S2214785320311597/pdf	UGC Care list/SCOPUS
Microstructure and property relationship between Al-4.5 Cu alloy and Al-4.5Cu-Al ₂ O ₃ composite developed by mechanical alloying	Renu Prava Dalai	MME	Materials Today: Proceedings	2021		https://www.sciencedirect.com/science/article/pii/ https://www.sciencedirect.com/science/article/pii/S2214785320404195	UGC Care list/SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
A comparative study on the different heat-treatment techniques applied to high manganese steel	Renu Prava Dalai	MME	Materials Today: Proceedings	2021		https://www.sciencedirect.com/science/article/pii/S2214785320403190	UGC Care list/SCOPUS
Effect of quenching and partitioning treatment on low carbon medium manganese alloyed steels-A short review	Renu Prava Dalai	MME	Materials Today: Proceedings	2021		https://www.sciencedirect.com/science/article/pii/S2214785320397923	UGC Care list/SCOPUS
An overview on the effect of heat-treatment and cooling rates on Ni-based superalloys	Renu Prava Dalai	MME	Materials Today: Proceedings	2021		https://www.sciencedirect.com/science/article/pii/S2214785321050057	UGC Care list/SCOPUS
Heat and mass transfer of water-based copper and alumina hybrid nanofluid over a stretching sheet	Renu Prava Dalai	MME	Heat Transfer	2023		https://onlinelibrary.wiley.com/doi/abs/10.1002/htj.22736	UGC Care list/SCOPUS
Effects of copper and titania nanoparticles on MHD 3D rotational flow over an elongating sheet with convective thermal boundary condition	Renu Prava Dalai	MME	International Journal of Ambient Energy	2023		https://www.tandfonline.com/https://doi.org/10.1080/01430750.2022.2127892	UGC Care list/SCOPUS
Effect of Anodic Passivation at High Applied Potential Difference on the Crystal Shape and Morphology of Copper Electrodeposits: Thermodynamics and Kinetics of Electrocrystallization	Manila Mallik	MME	Crystal Growth & Design	2017		https://pubs.acs.org/journal/cgdefu	present in the list of UGC/SCI
Investigation on lithium conversion behavior and degradation mechanisms in Tin based ternary component alloy anodes for lithium ion batteries	Manila Mallik	MME	Journal of alloys and compound	2017		https://www.journals.elsevier.com/journal-of-alloys-and-compounds	present in the list of UGC/SCOPUS
Substrate effect on Effect of Anodic Passivation at High Applied Potential Difference on the Crystal Shape and Morphology of Copper Electrodeposits: Thermodynamics and Kinetics of Electrocrystallization electrodeposited copper morphology and crystal shapes	Manila Mallik	MME	Surface Engineering	2018		https://www.tandfonline.com/toc/ysue20/current	present in the list of UGC/SCI
Corrosion Inhibition Behavior of Dual Phase Steel in 3.5 wt % NaCl Solution by Carica Papaya Peel Extracts	Manila Mallik	MME	Materials Today:Proceedings	2019		https://www.journals.elsevier.com/materials-today-proceedings	present in the list of UGC/SCOPUS
Effect of temperature and pressure on diffusivity of nitinol pellet bonded with steel plate	Manila Mallik	MME	Materials Today:Proceedings	2020		https://www.journals.elsevier.com/materials-today-proceedings	present in the list of UGC/SCOPUS
Production of Copper Powder by Electrodeposition with Different Equilibrium Crystal Shape	Manila Mallik	MME	Transactions of the Indian Institute of Metals	2020		https://www.springer.com/journal/12666	present in the list of UGC/SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Potential utilization of LD slag and waste glass in composite production	Manila Mallik	MME	Materials Today:Proceedings	2020		https://www.journals.elsevier.com/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320316710	present in the list of UGC/SCOPUS
Development of Al-SiC-TiO ₂ hybrid composite using powder metallurgy route and the influence of TiO ₂ variation on microstructure and mechanical properties	Gourahari Behera	MME	International Journal of Materials Research	2023			https://www.degruyter.com/document/doi/10.1515/ijmr-2022-0085/html	SCI
Fabrication of an Al matrix hybrid composite reinforced with Cu, Al ₂ O ₃ and TiC by mechanical alloying	Gourahari Behera	MME	Materials Today: Proceedings	2020		https://www.sciencedirect.com/science/article/pii/S2214785320311597	https://www.sciencedirect.com/sdfe/reader/pii/S2214785320311597/pdf	SCOPUS
The Fredholm determinant for Hulthén-distorted non-local separable potential: Application to $\alpha - \alpha$ elastic scattering	U Laha, AK Behera, M Majumder, J Bhoi	Physics	Pramana J of Physics	2020	0973-7111	https://www.springer.com/journal/12043/	https://link.springer.com/article/10.1007/s12043-020-02012-w	SCI,Scopus
Construction of an equivalent energy-dependent potential by a Taylor series expansion	Ashwini Kumar Behera, Bidhan Khirali, Ujjwal Laha, J Bhoi	Physics	Theoretical and Mathematical Physics	2020	1573-9333	https://www.springer.com/journal/11232	https://link.springer.com/article/10.1134/S0040577920100086	SCI,Scopus
Study of nucleon-nucleon and alpha-nucleon elastic scattering by the Manning-Rosen potential	AK Behera, J Bhoi, U Laha, B Khirali	Physics	Communications in Theoretical Physics	2020	1572-9494	https://iopscience.iop.org/journal/0253-6102	https://iopscience.iop.org/article/10.1088/1572-9494/ab8a1a	SCI,Scopus
On-and off-shell Jost functions for the Manning-Rosen potential	B Khirali, AK Behera, J Bhoi, U Laha	Physics	Physica Scripta	2020	1402-4896	https://iopscience.iop.org/journal/1402-4896	https://iopscience.iop.org/article/10.1088/1402-4896/ab95ae	SCI,Scopus
Hulthén Half-off-Shell T Matrix-Application to np and nd Systems	AK Behera, U Laha, P Sahoo, J Bhoi	Physics	Journal of Korean Physical Society	2020	1976-8524	https://www.springer.com/journal/40042	https://link.springer.com/article/10.3938/jkps.76.782	SCI,Scopus
Generating velocity-dependent potential in all partial waves	ASHWINI KUMAR BEHERA, UJJWAL LAHA, JHASAKETAN BHOI	Physics	Turkish Journal of Physics	2020	1303-6122	https://journals.tubitak.gov.tr/physics/index.htm;jsessionid=87857FE6CD6468B5DC37F56275446ED4E	https://journals.tubitak.gov.tr/physics/abstract.htm?id=26966	Scopus
Scattering with Manning-Rosen potential in all partial waves	B Khirali, AK Behera, J Bhoi, U Laha	Physics	Annals of Physics	2020	0003-4916	https://www.journals.elsevier.com/annals-of-physics	https://www.sciencedirect.com/science/article/abs/pii/S003491619302994	SCI,Scopus
Regular and Jost states for the S-wave Manning-Rosen potential	B Khirali, AK Behera, J Bhoi, U Laha	Physics	Journal of Physics G: Nucl.& Part.	2019	1361-6471	https://iopscience.iop.org/journal/0954-3899	https://iopscience.iop.org/article/10.1088/1361-6471/ab4118	SCI,Scopus
Off-shell Jost function for the Hulthén potential in all partial waves	J. Bhoi, A K Behera, U. Laha	Physics	Journal of mathematical physics	2019	1089-7658	https://aip.scitation.org/journal/jmp	https://aip.scitation.org/doi/full/10.1063/1.5093115	SCI,Scopus
On the Alpha-Carbon-12 Elastic Scattering	Ashwini Kumar Behera, Ujjwal Laha, Madhura Majumder, Jhasaketan Bhoi	Physics	Journal of Korean Physical Society	2019	1976-8524	https://www.springer.com/journal/40042	https://link.springer.com/article/10.3938/jkps.74.428	SCI,Scopus
Potentials and phase shifts for nucleon-light nuclei systems	J. Bhoi, U.laha	Physics	Pramana J of Physics	2018	0973-7111	https://www.springer.com/journal/12043/	https://link.springer.com/article/10.1007/s12043-018-1649-3	SCI,Scopus
Volterra integral equation-factorisation method and nucleus-nucleus elastic scattering	U Laha, M Majumder, J Bhoi	Physics	Pramana J of Physics	2018	0973-7111	https://www.springer.com/journal/12043/	https://link.springer.com/article/10.1007/s12043-018-1537-x	SCI,Scopus
On Different Approaches for Integrals of Physical Dynamical Systems	J. S. Virdi	Physics	Discontinuity, Nonlinearity and Complexity, 9(2), 299-	2020	2164-6376	https://hscientificpublishing.com	https://hscientificpublishing.com/Journals/DNC-Default.aspx	SCI,Scopus

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Some More Solitary Traveling Wave Solutions of Nonlinear Evolution	J. S. Virdi, SN Swain	Physics	Discontinuity, Nonlinearity and Complexity, 10, 299-306	2021	2164-6376	https://hscientificpublishing.com	https://hscientificpublishing.com/Journals/DNC-Default.aspx	SCI,Scopus
Traveling Wave Solutions of Some Nonlinear Physical Models by Using (G'/G)-expansion	J. S. Virdi,	Physics	Lecture Notes in Mechanical Engineering, Springer	2019	2195-4356	https://link.springer.com/chapter/10.1007/978-981-15-0287-3_15	https://link.springer.com/chapter/10.1007/978-981-15-0287-3_15	SCI,Scopus
Magnetic Properties of Magnesium Substituted Y-Type Hexaferrite:	J. S. Virdi,	Physics	Materials Science and Engineering	2018	1757-899X	http://iopscience.iop.org/article/10.1088/1757-899X/360/1/012053/meta	http://iopscience.iop.org/article/10.1088/1757-899X/360/1/012053/meta	SCI,Scopus
Polynomial Integral for Square and Inverse-square Potential	J. S. Virdi,	Physics	AIP Conf. Proc. 1860, 020069,	2017	15517616	https://aip.scitation.org/journal/apc	https://aip.scitation.org/journal/apc	SCI,Scopus
Some New Solutions of Nonlinear Evolution Equations with Variable Confidents	J. S. Virdi,	Physics	AIP Conf. Proc. 1728,	2016	15517616	https://aip.scitation.org/journal/apc	https://aip.scitation.org/journal/apc	SCI,Scopus
Structure and Phase Behaviour of Alkoxy Benzoic Acids in DMSO for Thermodynamic Applications: Theoretical Investigation	Punyatoya Das & P.Lakshmi Praveen	Physics	J. Molecular Structure	2021	0022-2860	https://www.journals.elsevier.com/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/pii/S0022286021002684	Scopus, SCI, UGC care list
Translational and Rotational Phase Ordering of Symmetric Dimer Mesogens: Rigidity Effect	Ramakrishna D.S., T.J. Jose & P. Lakshmi Praveen	Physics	J. Molecular Structure	2021	0022-2860	https://www.journals.elsevier.com/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/pii/S0022286021004683	Scopus, SCI, UGC care list
Stability, Phase and Absorption Analysis of 4-Alkenyl Bicyclohexyl nitrile: Thermodynamic and Spectroscopic Approaches	R.R.Sahoo, K.S.Sarma, & P. Lakshmi Praveen	Physics	J. Physical Science	2021	2180-4230	https://jps.usm.my/	https://jps.usm.my/stability-phase-and-absorption-analysis-of-4-alkenyl-bicyclohexyl-nitrile-thermodynamic-and-spectroscopic-approaches/	Scopus, SCI, UGC care list
Molecular Ordering and Nematic Character of Nonyloxy Benzoic Acid: Solvent and Thermodynamic Potentials Effect	Punyatoya Das & P.Lakshmi Praveen	Physics	Jordan J. Physics	2022	1994-7615	https://journals.yu.edu.fo/jip/	https://journals.yu.edu.fo/jip/Accepted%20articles%20unpublished.html	Scopus, SCI, UGC care list
Vacuum and Solvent Dynamics of a Cyanobiphenyl molecule: Mesophase estimation from thermodynamic view	P. Lakshmi Praveen	Physics	Jordan J. Physics	2022	1994-7616	https://journals.yu.edu.fo/jip/	https://journals.yu.edu.fo/jip/Accepted%20articles%20unpublished.html	Scopus, SCI, UGC care list
Phase Behaviour Analysis of a Benzoic Acid Homologue: Theoretical Study	Punyatoya Das & P.Lakshmi Praveen	Physics	AIP Conf. Proc.	2021	1551-7616	https://aip.scitation.org/journal/apc	http://mail.ncpcm.in/User_file/paper_publish_000390.pdf	Scopus, SCI, UGC care list
Phase Behaviour Study of a Mesogen in a Solvent: Role of Molecular Rigidity and Configurational Entropy	P. Lakshmi Praveen	Physics	Research & Reviews: Journal of Physics	2021	2278-2273	http://sciencejournals.stmjournals.in/index.php/RRJoPHY/index	http://sciencejournals.stmjournals.in/index.php/RRJoPHY/article/view/2838	UGC List
Mesophase Behaviour of a Cyanobiphenyl Molecule in a Polar Aprotic Solvent: Rigidity Effect	S.K.Nayak & P.Lakshmi Praveen	Physics	J. Physical Science	2020	2180-4230	https://jps.usm.my/	https://jps.usm.my/wp-content/uploads/2020/11/Final_JPS-313_Art-3.NHA.PA.ZM.pdf	Scopus, SCI, UGC care list
Theoretical Investigation on Absorption Spectral Profile of Tetrazole Liquid Crystals: Hexyl, Nonyl End Groups and Solvent Effects	Punyatoya Das & P.Lakshmi Praveen	Physics	IOP Conf. Series: Mat. Sci. Engg.	2020	1757-8981	https://iopscience.iop.org/journal/1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/798/1/012041/meta	Scopus, SCI, UGC care list

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Solvent Polarity and Chain Length Effects in Thermotropic Mesophase Formation Process: Comparative Quantum and Thermodynamic Analysis	Punyatoya Das & P.Lakshmi Praveen	Physics	J. Molecular Liquids	2019	0167-7322	https://www.journals.elsevier.com/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732219318549	Scopus, SCI, UGC care list
Quantum and Thermodynamic Estimation of Mesostate Behaviour of Alkyl Benzoic Acids in Dielectric Medium: Comparative Study	T.J.Jose, A.Simi, M.D.Raju & P. Lakshmi Praveen	Physics	Arabian J. Science & Engineering	2019	1319-8025	https://www.springer.com/journal/13369	https://link.springer.com/article/10.1007/s13369-019-03791-0	Scopus, SCI, UGC care list
Theoretical Study on Ultraviolet Profile and Reactivity Descriptors of Fluorinated Liquid Crystals: Effect of End Chain Length and Substituent	T.J.Jose, A.Simi, M.D.Raju & P. Lakshmi Praveen	Physics	Molecular Crystals Liquid Crystals	2018	1563-5287	https://www.tandfonline.com/toc/gmcl20/current	https://www.tandfonline.com/doi/abs/10.1080/15421406.2018.1518661	Scopus, SCI, UGC care list
7-Hexyloxy-3-[4'-(3-methylbutyloxy) phenyl]-4H-1-benzopyran-4-one: Study of Smectic behaviour and UV absorption profile	P. Lakshmi Praveen	Physics	Molecular Crystals Liquid Crystals	2018	1563-5287	https://www.tandfonline.com/toc/gmcl20/current	https://www.tandfonline.com/doi/abs/10.1080/15421406.2018.1553755	Scopus, SCI, UGC care list
Theoretical Model of a Nematogen: Estimation of Phase Stability, Absorption, Electrochemical, and Nonlinear Optical Properties	T.J.Jose, A.Simi, M.D.Raju & P. Lakshmi Praveen	Physics	Acta Physica Polonica A	2018	1898-794X	http://przyrbwn.icm.edu.pl/APP/APPHOME.html	http://przyrbwn.icm.edu.pl/APP/PDF/134/app134z2p11.pdf	Scopus, SCI, UGC care list
UV Spectral Characterization of a Smectic-C Liquid Crystal: Theoretical Support to the Experiment	P. Lakshmi Praveen, D.S. Ramakrishna & D.P.Ojha	Physics	Molecular Crystals Liquid Crystals	2017	1563-5287	https://www.tandfonline.com/toc/gmcl20/current	https://www.tandfonline.com/doi/abs/10.1080/15421406.2016.12627022	Scopus, SCI, UGC care list
Estimation of high and low UV intensity profiles of mesogenic oxovanadium (IV) salen complexes: Doubling Effect of Homologue Number	T.J.Jose, A.Simi, M.D.Raju & P. Lakshmi Praveen	Physics	Molecular Crystals Liquid Crystals	2017	1563-5287	https://www.tandfonline.com/toc/gmcl20/current	https://www.tandfonline.com/doi/abs/10.1080/15421406.2017.1328216	Scopus, SCI, UGC care list
Probabilistic and Thermodynamic Approach on Phase Behaviour of Nematic Liquid Crystals: A Comparative Study	Punyatoya Das & P.Lakshmi Praveen	Physics	Molecular Crystals Liquid Crystals	2017	1563-5287	https://www.tandfonline.com/toc/gmcl20/current	https://www.tandfonline.com/doi/abs/10.1080/15421406.2017.1373009	Scopus, SCI, UGC care list
Absorption Spectra Calculation and Charge Distribution of para-azoxyanisole: A Semiempirical Study	P. Lakshmi Praveen	Physics	Research & Reviews: Journal of Physics	2017	2278-2273	http://sciencejournals.stmjournals.in/index.php/RRJoPHY/index	http://sciencejournals.stmjournals.in/index.php/RRJoPHY/article/view/411	UGC list
Estimation of Spectral Shifts of Fluorinated Liquid Crystals in Ultraviolet Region: Alkyl Chain Length Dependence and Correlation in Molecular Structures	T.J.Jose, A.Simi, M.D.Raju & P. Lakshmi Praveen	Physics	J. Optoelectronics and Advanced Materials	2017	1454-4164	https://joam.inoe.ro/	https://joam.inoe.ro/articles/estimation-of-spectral-shifts-of-fluorinated-liquid-crystals-in-ultraviolet-region-role-of-correlations-in-molecular-structures/fulltext	Scopus, SCI, UGC care list
UV Light Sensing and Switching Applications of Dimeric Smectic Liquid Crystals: Comparative Calculations	P. Das, T.J.Jose, A. Ghosh, P. Lakshmi Praveen	Physics	European Physical Journal E	2022	1292-8941	https://www.springer.com/journal/10189	https://link.springer.com/article/10.1140/epje/s10189-022-00254-7	Scopus, SCI, UGC care list

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years									
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years									
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Structural and Electrical Properties of Na ₂ Pb ₂ Dy ₂ W ₂ Ti ₄ Ta ₄ O ₃₀ Ceramic	S. BEHERA, PIYUSH R. DAS, P. NAYAK, S.K. PATRI	Physics	Journal of Electronic Materials	2017	0361-5235	https://www.springer.com/journal/11664	https://link.springer.com/article/10.1007/s11664-016-5061-9	SCI, SCOPUS	
MgBi ₂ V ₂ O ₉ : preparation and electrical property evaluation	P. L. Deepti, S. K. Patri, R. N. P. Choudhary	Physics	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELEC	2017	0957-4522	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-017-7507-0	SCI, SCOPUS	
Dielectric, impedance and modulus spectroscopy of BaBi ₂ Nb ₂ O ₉	S. K. Patri, P. L. Deepti, R. N. P. Choudhary, B. Behera	Physics	JOURNAL OF ELECTROCERAMICS	2018	1385-3449	https://www.springer.com/journal/10832	https://link.springer.com/article/10.1007/s10832-018-0135-0	SCI, SCOPUS	
Electrical properties of Y-type hexaferrite	Bibhuti B. Sahu, S. K. Patri, Banarji Behera, B. Maharanay	Physics	JOURNAL OF ADVANCED DIELECTRICS	2018	2010-135X	https://www.worldscientific.com/worldscinet/jad	https://www.worldscientific.com/doi/abs/10.1142/S2010135X18500224	SCOPUS	
Dielectric, impedance and modulus spectroscopy of Ta-based layered perovskite	P. L. Deepti, S. K. Patri, R. N. P. Choudhary, P.S. Das	Physics	Phase Transitions	2019	0141-1594	https://www.tandfonline.com/toc/gpht20/current	https://doi.org/10.1080/01411594.2019.1616195?journalCode=gpht20	SCI, SCOPUS	
Frequency and temperature dependent electrical properties of magnesium bismuth vanadate	P. L. Deepti, S. K. Patri, R. N. P. Choudhary	Physics	FERROELECTRICS	2019	0015-0193	https://www.tandfonline.com/toc/gfer20/current	https://www.tandfonline.com/doi/abs/10.1080/00150193.2019.1611102?journalCode=gfer20	SCI, SCOPUS	
Broad range frequency – temperature response of Ba ₂ Zn ₂ Fe ₁₂ O ₂₂	Bibhuti B.Sahu, S.K.Patri,Banarji Behera	Physics	Physics Letters A	2019	0375-9601	https://www.sciencedirect.com/journal/physics-letters-a	https://www.sciencedirect.com/science/article/abs/pii/S0375960119307054	SCI, SCOPUS	
Electrical and magnetic properties of Pb _{0.8} La _{0.2} Fe _{0.1} Cr _{0.1} Fe _{0.8} O ₃	Amrita Naik, S. K. Patri, P.L. Deepti, B. Behera	Physics	Integrated ferroelectrics	2019	1058-4587	https://www.tandfonline.com/toc/ginf20/current	https://www.tandfonline.com/doi/abs/10.1080/10584587.2019.1668688	SCI, SCOPUS	
Dielectric, impedance and excitation performance of Aurivillius oxides: Bi ₄ Pb ₂ Zr ₂ TiFeNbO ₁₈	S.Hajra, P.L.Deepti, M.Sahu, S.K. Patri, B.K.Panigrahi, K.Parida	Physics	Materials today chemistry	2020	2468-5194	https://www.sciencedirect.com/journal/materials-today-chemistry	https://www.sciencedirect.com/science/article/pii/S2468519420300859	SCOPUS	
Effect of Vanadium Doping on Electrical Properties of KNN	Amrita Nayak, Prasanna K. Das, S. K. Patri	Physics	AIP Conference Proceedings	2020	1551-7616	https://aip.scitation.org/journal/apc	https://aip.scitation.org/doi/10.1063/5.0017556	SCOPUS	
Pb _{0.8} Ln _{0.2} Fe _{0.1} Cr _{0.1} Ti _{0.8} O ₃ (Ln = La, Nd and Sm): exploring the structure-property characteristics	Amrita Naik, S. K. Patri, B. Behera	Physics	Ferroelectrics	2021	0015-0193	https://www.tandfonline.com/	https://www.tandfonline.com/doi/abs/10.1080/00150193.2021.1991218	Scopus, SCI, UGC care list	
Electrical and Magnetic Properties of Rare Earth Doped Pb _{0.8} R _{0.2} Fe _{0.1} Cr _{0.1} Ti _{0.8} O ₃ Ceramics	Amrita Naik, S. K. Patri, B. Behera	Physics	Transactions on Electrical and Electronic Materials	2022	1229-7607	https://link.springer.com/	https://link.springer.com/article/10.1007/s42341-021-00380-7	Scopus, UGC care list	
Role of Te on the spectroscopic properties of As ₅₀ Se ₄₀ Te ₁₀ thin films: An extensive study by FTIR and Raman spectroscopy	Mukta Behera,Parbati Naik,Rozalin Panda,Ramakanta Naik	Physics	Optical materials	2017	0925-3467	https://www.sciencedirect.com/journal/optical-materials	https://www.sciencedirect.com/science/article/abs/pii/S092534671730157X	SCOPUS	
Molecular dynamics simulation studies of gold nano-cluster on silicon (001)	S. S. Sarangi, p. v. Satyam, S. K. Nayak, S. D. Mahanti	Physics	Indian Journal of Physics	2017	0974-9845	https://www.springer.com/journal/12648	https://link.springer.com/article/10.1007/s12648-017-0975-5	SCI, SCOPUS	
Study on Young's Modulus of Metallic Nanowires using Classical Molecular Dynamics Simulations	S.S.Sarangi	Physics	Materials Today : Proceedings	2021	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320375520?via%3Dihub	UGC Care List, SCOPUS	
Molecular Dynamics Simulation study on thermodynamical properties of Cu and Ni Nanocluster	M.P.Samantaray, S.S.Sarangi	Physics	Materials Today : Proceedings	2021	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321009056?via%3Dihub	UGC Care List, SCOPUS	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Size-dependent melting phenomena in silver metal nanoclusters using molecular dynamics simulations	M.P.Samantaray, S.S.Sarangi	Physics	Indian Journal of Physics	2022	2285-2292	https://www.springer.com/journal/12648	https://link.springer.com/article/10.1007/s12648-021-02144-8	SCI,SCOPUS	
Melting phenomena of Cu _{0.25} Ni _{0.75} bimetallic alloy: A Molecular Dynamics Approach	M.P.Samantaray, S.S.Sarangi	Physics	Materials Today : Proceedings	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S21478532104921X?via%3Dihub	UGC Care List, SCOPUS	
Some More Solitary Traveling Wave Solutions of Nonlinear Evolution Equations	S. Behera, J.S.Virdi	Physics	Discontinuity, Nonlinearity, and complexity	2021	2164-6376	https://hscientificpublishing.com	https://hscientificpublishing.com/Journals/DNC-Default.aspx	Scopus	
Analytical solutions of some fractional order nonlinear evolution equations by sine-cosine method.	S. Behera, J.S.Virdi	Physics	Discontinuity, Nonlinearity, and complexity	2021	2164-6376	https://hscientificpublishing.com	https://hscientificpublishing.com/Journals/DNC-Default.aspx	Scopus	
Structure and diffuse dielectric study of CCT1-xBixO thin film for x=0.02 synthesized via untraditional sol-gel route.	A.K. Mishra, D. Dwibedy, Manas R. Panigrahi, M. Devi	Physics	Physica B: Condensed Matter	2021	0378-4371	https://www.journals.elsevier.com	https://doi.org/10.1016/j.physb.2020.412673	SCI/SCOPUS	
Giant Dielectric Behaviour of Nb Modified CCTO Thin Film Prepared by Modified Sol-Gel Route	A.K. Mishra, D. Dwibedy, M. Devi Manas R. Panigrahi	Physics	Transactions on Electrical and Electronic Material	2020	2092-7592	www.Springer.com	https://doi.org/10.1007/s42341-020-00187-y	SCOPUS	
Effect of Mn doping on the Optical and Electrical Properties of TiO ₂ thin film prepared by Unconventional Sol-gel route	Maya Devi, Manas R. Panigrahi	Physics	Materials Science and Engineering	2020	17578981	https://iopscience.iop.org	https://doi.org/10.1088/1757-899X/653/1/012018	SCOPUS	
Variations of Optical and Electrical Properties of Zr Doped TiO ₂ Thin Films with Different Annealing Temperatures	Manas R. Panigrahi, Maya Devi	Physics	Journal of Physics	2019	1742-6588	https://iopscience.iop.org	https://doi.org/10.1088/1742-6596/1172/1/012046	SCOPUS	
Effect of Sintering temperature on the structure of Li _{0.5} Bi _{0.5} TiO ₃ ceramics prepared by mechanical alloying	M.Nayak, Manas R. Panigrahi	Physics	J. Mater Sci: Mater Electron	2018	0957-4522	www.Springer.com	https://doi.org/10.1007/s10854-018-8851-4	SCI/SCOPUS	
Effect of annealing temperature on structural and optical properties of Fe doped TiO ₂ thin films prepared by modified sol-gel method	Manas R. Panigrahi, Maya Devi	Physics	AIP Conference Proceedings	2018	0094-243X	https://aip.scitation.org	https://doi.org/10.1063/1.4980566	Scopus	
Quantitative structural analysis, phase transition and relaxor nature of Bi _{0.5} Li _{0.5} TiO ₃ ceramic prepared by mechanical alloying	M.Nayak, Manas R. Panigrahi	Physics	J. Mater Sci: Mater Electron	2016	0957-4522	www.Springer.com	https://doi.org/10.1007/s10854-016-4839-0	SCI/SCOPUS	
Structural, Microstructural and Optical Properties of Perovskite CCNbxTi1-xO (x=0.02) Thin Film explored for Photovoltaic Applications	D. Dwibedy, A. K. Sahoo, Manas R. Panigrahi	Physics	Optik	2021	0030-4026	https://www.journals.elsevier.com	https://doi.org/10.1016/j.jleo.2021.167496	SCI/SCOPUS	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Structural and Dielectric Properties of Na ₂ Pb ₂ Nd ₂ W ₂ Ti ₄ V ₄ O ₃₀ Ferroelectric Ceramics	Piyush R. Das, R. Padhee, B. N. Parida, R.N.P. Choudhary	Physics	Indian Journal of Physics	2016	0973-1458	https://link.springer.com/article/10.1007/s12648-015-0738-0
Ferroelectric phase transition and conduction mechanism of Li ₂ Pb ₂ La ₂ W ₂ Ti ₄ Ta ₄ O ₃₀	B.N. Parida, P.R. Das, R. Padhee, R. N. P. Choudhary	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2016	0957-4522	https://link.springer.com/article/10.1007/s10854-015-3760-2
Structural, dielectric, impedance and magneto-electric properties of mechanically synthesized (Bi _{0.5} Ba _{0.25} Sr _{0.25})(Fe _{0.5} Ti _{0.5})O ₃ nanoelectronic system	C. Behera, R.N.P Choudhary, P.R Das	Physics	Materials Research Express	2016	2053-1591	https://iopscience.iop.org/article/10.1088/2053-1591/3/3/035005
Non-linear Electrical Characteristics of ZnO Modified by Trioxides Sb ₂ O ₃ , Bi ₂ O ₃ , Fe ₂ O ₃ , Al ₂ O ₃ and La ₂ O ₃	A,Mekap, P.R. Das, R. N. P. Choudhary	Physics	Journal of Electronic Materials	2016	0361-5235	https://link.springer.com/article/10.1007/s11664-016-4619-x
Structural and electrical properties of Bi ₂ La ₃ Ti ₃ FeO ₁₅ ceramics	A. Mahapatra, P.R. Das, R.N. P. Choudhary	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2016	0957-4522	https://link.springer.com/article/10.1007/s10854-015-3771-z
Structural and electrical properties of Bi ₃ La ₂ Ti ₃ FeO ₁₅ ceramics	A. Mahapatra, P.R. Das, R.N. P. Choudhary	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2016	0957-4522	https://link.springer.com/article/10.1007/s10854-016-4949-8
Dielectric Relaxation and Impedance Analysis of Ferroelectric double Perovskite Pb ₂ Bi ₂ NbO ₆	B.N. Parida, N.Panda, R. Padhee, P.R. Das, R. N. P Choudhary	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2017	0957-4522	https://link.springer.com/article/10.1007/s10854-016-5732-6
Development of multiferroic polymer nanocomposite from PVDF and (Bi _{0.5} Ba _{0.25} Sr _{0.25})(Fe _{0.5} Ti _{0.5})O ₃	C. Behera, R.N.P Choudhary, P.R Das	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2017	0957-4522	https://link.springer.com/article/10.1007/s10854-016-5834-1
Structural and Electrical properties of Na ₂ Pb ₂ Dy ₂ W ₂ Ti ₄ Ta ₄ O ₃₀ Ceramics	S. Behera, P.R. Das, P. Nayak, S.K. Patri	Physics	Journal of Electronic Materials	2017	0361-5235	https://link.springer.com/article/10.1007/s11664-016-5061-9
Structural and Electrical Properties of a new lead free Tungsten Bronze Ferroelectric Ceramics Na ₂ Ba ₂ Eu ₂ W ₂ Ti ₄ Nb ₄ O ₃₀	Saparjya S., S. Behera, B. Behera, P.R. Das	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2017	0957-4522	https://link.springer.com/article/10.1007/s10854-016-5995-y
Dielectric and electrical properties of lanthanum modified electroceramics	R. Pahee, B.N. Parida, P.R. Das, R.N.P. Choudhary	Physics	Ferroelectrics	2017	0015-0193	https://www.tandfonline.com/doi/full/10.1080/00150193.2017.1283557
Development of Multi-ferroism in PVDF with CoFe ₂ O ₄ Nanoparticles	C. Behera, R.N.P Choudhary, P.R Das	Physics	Journal of Polymer Research	2017	1022-9760	https://link.springer.com/article/10.1007/s10965-017-1208-5
Development of Ni-Ferrite Based PVDF Nanomultiferroics	C. Behera, R.N.P Choudhary, P.R Das	Physics	Journal of Electronic Materials	2017	0361-5235	https://link.springer.com/article/10.1007/s11664-017-5567-9

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Studies on structural and electrical properties in highly crystallized lead-free ferroelectric Ba(Bi _{0.5} Ta _{0.5})O ₃	B. C. Sutar, Biswajit Pati, Piyush R. Das, R.N.P. Choudhary	Physics	Ferroelectrics	2017	0015-0193	https://www.tandfonline.com/doi/full/10.1080/00150193.2017.1360119
Effect of Gd on Dielectric and Piezoelectric properties of Lead Zirconate Titanate Ferroelectric Ceramics	S.C. Panigrahi, P. R. Das, R. N.P. Choudhary , R. Padhi	Physics	Ferroelectrics	2017	0015-0193	https://www.tandfonline.com/doi/full/10.1080/00150193.2018.1432823
Spontaneous, high temperature and spectroscopic characterization of K _{0.5} Bi _{0.5} TiO ₃ -NaVO ₃ ceramic	S. K. Mohanty, B. Behera, B. N. Parida, P. R. Das	Physics	Journal of Alloys and Compound	2018	0925-8388	https://www.sciencedirect.com/science/article/abs/pii/S0925838818304419?via%3Dihub
Structural, Electrical and Multiferroic Characteristics of Thermo-mechanically Fabricated BiFeO ₃ -(BaSr)TiO ₃ Solid Solutions	C. Behera, R.N.P Choudhary, P.R Das	Physics	Materials Research Express	2018	2053-1591	https://iopscience.iop.org/article/10.1088/2053-1591/aabeae
Ferroelectric studies for soft Gd- modified PZT ceramics	S.C. Panigrahi, P.R. Das and R.N.P. Choudhary	Physics	Phase Transition	2018	0141-1594	https://www.tandfonline.com/doi/abs/10.1080/01411594.2018.1481213
Electrical and optical properties of lead-free 0.15 (K _{0.5} Bi _{0.5} TiO ₃)-0.85 NaNbO ₃ solid solution	S. K. Mohanty, B. Behera, B. Pati, P. R. Das	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2018	0957-4522	https://link.springer.com/article/10.1007/s10854-018-9340-5
Influence of NaNbO ₃ on the structural, optical and dielectric properties of 0.05(K _{0.5} Bi _{0.5} TiO ₃)-0.95 (NaNbO ₃) composites ceramics	S.K. Mohanty, H.S. Mohanty, B. Behera, D. P. Datta, S. Behera. P.R. Das	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2018	0957-4522	https://link.springer.com/article/10.1007/s10854-019-00881-5
Structural, Optical and Impedance Spectroscopic Studies of Lead-free 0.2 (K _{0.5} Bi _{0.5} TiO ₃)-0.8 (NaNbO ₃) Solid solution	S.K. Mohanty, K. Bhoi, B. Behera, S. Behera. P. R. Das	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2019	0957-4522	https://link.springer.com/article/10.1007/s10854-019-01939-0
Dielectric and impedance spectroscopy of rare earth-based tungsten bronze ceramic	S. Behera. P. R. Das, B.N. Parida	Physics	Phase Transition	2019	0141-1594	https://www.tandfonline.com/doi/full/10.1080/01411594.2019.1678035
Half-lives of proton emitters I, Cs, La, Eu and Ha nuclei using E-RMF densities	T. Sahoo, R.N. Panda, P. R. Das, S.K. Patra	Physics	Indian Journal of Pure Applied Physics	2019	0019-5596	http://nopr.niscair.res.in/handle/123456789/50533
Investigation of proton Emission Using Deformed Relativistic Mean Field Densities	T. Sahoo, M. Kaur, R.N. Panda, P. R. Das, S.K. Patra	Physics	International Journal of Modern Physics E	2019	0218-3013	https://www.worldscientific.com/doi/abs/10.1142/S0218301319500952
Effect of Gadolinium on the Structural and Dielectric properties of BCZT ceramics	Saparjya S., T. Badapanda, S. Behera, B. Behera and Piyush R. Das	Physics	Phase Transition	2019	0141-1594	https://www.tandfonline.com/doi/pdf/10.1080/01411594.2020.1711905?needAccess=true

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years									
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years									
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Synthesis and dielectric spectroscopic study of lead-free ferroelectric ceramic $Ka_{0.5}Bi_{0.5}TiO_{3-NaNbO_3}$	S.K. Mohanty, D. P. Datta, B. Behera, H.S. Mohanty, B. Pati and P. R. Das	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2020	0957-4522	https://link.springer.com/article/10.1007%2Fs10854-020-02873-2			
Effects of La^{3+} addition on the phase transition, microstructure, and electrical properties of $Ba_{0.85}Ca_{0.15}Zr_{0.1}Ti_{0.9}O_3$ ceramics	Sapatya S., S. Behera, T. Badapanda, R. Padhee, Piyush R. Das	Physics	JOURNAL OF MATERIALS SCIENCE-MATER	2020	0957-4522	https://link.springer.com/article/10.1007%2Fs10854-020-03352-4			
Pyroelectric and thermistor properties of gadolinium modified complex tungsten bronze ferroelectric ceramic	R.Padhee, B.N. Parida and Piyush R. Das	Physics	Ferroelectrics	2020	0015-0193	https://www.tandfonline.com/doi/full/10.1080/00150193.2020.1853749			
Revived Tungsten Bronze Ceramic for Thermistor and RAM Devices	B.N. Parida, Piyush R. Das, R. Pahee and S. Behera	Physics	Phase Transition	2020	0141-1594	https://www.tandfonline.com/doi/abs/10.1080/01411594.2020.1849698?needAccess=true			
Electrical properties of Gd-modified PZT (MPB) ceramics	S.C. Panigrahi, P. R. Das, R. Padhe	Physics	Pramana	2021	0973-7111	https://link.springer.com/article/10.1007/s12043-021-02111-2			
Nematic and Smectic Bithiophenes for UV Sensing Mechanism: Comparative Calculations on Different Homologues	P. Lakshmi Praveen	Physics	Journal of Molecular Liquids	2021	0167-7322	https://www.journals.elsevier.com/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732221021486	Scopus, SCI, UGC care list	
Estimation of Absorption Spectral Shifts of Cyanobiphenyl Liquid Crystals: An Impact of Different Solvents and Oxygen Substitution	P. Lakshmi Praveen	Physics	Journal of Molecular Liquids	2021	0167-7322	https://www.journals.elsevier.com/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S016773222102345X	Scopus, SCI, UGC care list	
Ecofriendly Synthesis of Ribociclib Intermediate Using Regioselective Hydrodechlorination and DMAP catalyzed Ester Hydrolysis	A. Udayasri, M.M. Chandrasekhar, MVNB Rao, G. Varanasi, P. Lakshmi Praveen, D.S.Ramakrishna	Physics	Topics in Catalysis	2022	1572-9028	https://www.springer.com/journal/11244	https://link.springer.com/article/10.1007/s11244-022-01602-9	Scopus, SCI, UGC care list	
On the modified (G'/G'')-expansion method for finding some analytical solutions of the traveling waves.	S.Behera, N.H.Aljahdaly, J.P. S.Virdia	Physics	Journal of Ocean Engineering and Science	2021	2468-0133	https://www.sciencedirect.com/science/article/pii/S2468013321000814	https://www.sciencedirect.com/science/article/pii/S2468013321000814	Scopus, SCIE, UGC care list	
Generalized soliton solutions to Davey-Stewartson equation	S. Behera and J.P.S. Virdi	Physics	Nonlinear Optics, Quantum Optics	2021	1543-0537	https://www.oldcitypublishing.com/journals/nloqo-home/nloqo-forthcoming-papers/20455-2/	https://www.oldcitypublishing.com/journals/nloqo-forthcoming-papers/20455-2/	Scopus	
Allu Udayasri, Manchikanti M Chandrasekhar, MVN Brahmeswararao, Ganesh Varanasi, P Lakshmi Praveen, DS Ramakrishna		Physics							

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Effect of temperature on mechanical properties of zirconium nanowire using MD simulations	S. Barik, S.S.Sarangi	Physics	Materials Today : Proceedings	2022	60-65	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S214785321078706?via%3Dihub	UGC Care List, SCOPUS
Mn doped Multiferroic in Ga _{0.97} Nd _{0.03} FeO ₃ Electroceramics	K. Agrawal, B. Behera, S.C. Sahoo, S.K. Rout, A. Kumar, Piyush R. Das	Physics	J. Magnetism and Magnetic Materials	2021	0304-8853	https://www.journals.elsevier.com/journal-of-magnetism-and-magnetic-materials	https://www.sciencedirect.com/science/article/abs/pii/S0304885321003978	Scopus
Multiferroic, structural, optical and conduction characteristics of PFN-BST	D.Pati, Manisha Priyadarsini, Piyush R. Das, B.N. Parida and R. Padhee	Physics	J. Electronics Materials	2021	0361-5235	https://www.springer.com/journal/11664	https://link.springer.com/article/10.1007/s11664-021-09410-9	Scopus, SCI
Dielectric, ferroelectric, magnetic and electrical properties of Sm doped GaFeO ₃	K. Agrawal, B. Behera, S.C. Sahoo, S.K. Rout, A. Kumar, Piyush R. Das	Physics	Applied Physics A	2022	0947-8396	https://www.springer.com/journal/339	https://link.springer.com/article/10.1007/s00339-022-05279-5	scopus
Development of Self-standing, Lightweight and Flexible Polymer-Cobalt Ferrite Nanocomposites for Field Sensor	C.Behera, N. Pradhan, Piyush R. Das and R.N.P. Choudhary	Physics	J. Polymer Research	2022	1022-9760	https://www.springer.com/journal/10965	https://link.springer.com/article/10.1007/s10965-022-02916-8	Scopus
Multifunctional characterization of multiferroic [Pb (Fe _{0.5} Nb _{0.5}) O ₃] _{0.5} - [(Ca _{0.2} Sr _{0.8})TiO ₃] _{0.5} for storage and photocatalytic application		Physics	Ceramic International	2022	0272-8842	https://www.journals.elsevier.com/ceramics-international	https://www.sciencedirect.com/science/article/pii/S0272884222010240	Scopus
Intermediate ferroelectric phase driven ferroelectric-relaxor crossover and superior storage properties in phase boundary engineered BCZT ceramics	RL Nayak, Y Zhang, SS Dash, MPK Sahoo	Physics	Ceramics International	2022	10803-10816	https://www.sciencedirect.com/journal/ceramics-international	https://www.sciencedirect.com/science/article/pii/S027288422104092X	SCI & SCOPUS
Unified picture for the pressure-controlled band gap in inorganic halide perovskites: Role of strain-phonon and phonon-phonon couplings	W Zhang, G Tang, MPK Sahoo, Y Liang, Y Zhang	Physics	Physical Review B	2022	75150	https://journals.aps.org/prb/	https://journals.aps.org/prb/abstract/10.1103/PhysRevB.105.075150	SCI & SCOPUS
Activating and modulating ferroelectric and optical properties in La/Nd co-doped SrTiO ₃ ceramics	J Pradhan, RL Nayak, MPK Sahoo, AK Pattanaik	Physics	Journal of Alloys and Compounds	2021	160131	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.sciencedirect.com/science/article/abs/pii/S0925838821015401	
Enhanced dielectric, thermal stability, and energy storage properties in compositionally engineered lead-free ceramics at morphotropic phase boundary	RL Nayak, SS Dash, Y Zhang, MPK Sahoo	Physics	Ceramics International	2021	17220-17233	https://www.sciencedirect.com/journal/ceramics-international	https://www.sciencedirect.com/science/article/pii/S0272884221006969	
Enhanced optical and dielectric properties of rare-earth co-doped SrTiO ₃ ceramics	J Pradhan, HK Mallick, MPK Sahoo, AK Pattanaik	Physics	Journal of Materials Science: Materials in Electro	2021	13837-13849	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-021-05959-7	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years									
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years									
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Influence of particle size and defects on the optical, magnetic and electronic properties of Al doped SnO ₂ nanoparticles	HK Mallick, Y Zhang, J Pradhan, MPK Sahoo, AK Pattanaik	Physics	Journal of Alloys and Compounds	2021	156067	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.sciencedirect.com/science/article/abs/pii/S0925838820324312		
Defect driven d ₀ ferromagnetism and colossal dielectric behavior in Bi (Zn _{0.5} Ti _{0.5}) O ₃ -PbTiO ₃ ceramics	M Mishra, Y Zhang, D Mishra, MPK Sahoo, PK Pradhan, AK Pattanaik	Physics	Ceramics International	2019	22948-22955	https://www.sciencedirect.com/journal/ceramics-international	https://www.sciencedirect.com/science/article/pii/S0272884219321649		
Giant magnetoelectric effect at the graphone/ferroelectric interface	Jie Wang, Yajun Zhang, MPK Sahoo, Takahiro Shimada, Takayuki Kitamura, Philippe Ghosez, Tong-Yi Zhang	Physics	Scientific reports	2018	1-9				
Generalized soliton solutions to Davey-Stewartson equation	S. Behera and J.P.S. Virdi	Physics	Nonlinear Optics, Quantum Optics	2021	1543-0537	https://www.oldcitypublishing.com/journals/nloq-home/nloq-forthcoming-papers/20455-2/	https://www.oldcitypublishing.com/journals/nloq-forthcoming-papers/20455-2/	Scopus	
On the modified (G'/G ²)-expansion method for finding some analytical solutions of the traveling waves.	S.Behera, J.P.S.Virdia	Physics	Journal of Ocean Engineering and Science	2021	2468-0133	https://www.sciencedirect.com/science/article/pii/S2468013321000814	https://www.sciencedirect.com/science/article/pii/S2468013321000814	Scopus, SCIE, UGC care list	
Some More Solitary Traveling Wave Solutions of Nonlinear Evolution Equations	J.P.S. Virdi, S. Behera	Physics	Discontinuity, Nonlinearity, and Complexity 12(1) (2023) 75-85			https://www.lhscientificpublishing.com/Journals/DNC-Default.aspx	https://www.lhscientificpublishing.com/Journals/DNC-Default.aspx	Scopus, SCI, UGC care list	
Analytical solutions of conformable Drinfeld-Sokolov-Wilson and Boiti Leon Pempinelli equations via sine-cosine method	Shao-Wen Yao a, Sidheawar Behera b, Mustafa Hadi Rezazadeh e, Jasvinder Pal Singh Virdi b, W. Mahmoud f,	Physics	Results in Physics 42 (2022) 105990			https://linkinghub.elsevier.com/retrieve/pii/S2211379722006040	https://linkinghub.elsevier.com/retrieve/pii/S2211379722006040	Scopus, SCI, UGC care list	
Analytical solutions and mathematical simulation of traveling wave solutions of fractional order nonlinear equations	Sidheswar Behera a*, Siddharth Mohanty b, Jasvinder Pal Singh Virdi	Physics	Partial Differential Equations in Applied Mathematics, Volume 8, December 2023	2023		https://www.sciencedirect.com/science/article/pii/S2666818123000487	https://www.sciencedirect.com/science/article/pii/S2666818123000487	Scopus, SCI, UGC care list	
Dielectric Spectroscopy of A-Site and B-Site Modified K _{0.5} Na _{0.5} NbO ₃ -Bi _{0.5} Na _{0.5} TiO ₃ Based Material	P. Naik, A. Nayak, S.K Patri	Physics	Transactions on Electrical and Electronic Material	2023	2092-7592	https://www.springer.com/journal/42341/	https://link.springer.com/article/10.1007/s42341-022-00425-5	SCOPUS, UGC Care List	
Melting and Crystallization of Free Copper and Nickel Nanoclusters using Molecular Dynamics Simulations	MP Samantaray, SS Sarangi	Physics	International Journal of Nanoscience	2023	2250052	https://www.worldscientific.com/worldscinet/ijn	https://www.worldscientific.com/doi/10.1142/S0219581X22500521	SCI, SCOPUS	
Molecular dynamics simulation studies on tensile mechanical properties of zirconium nanowire: effect of temperature, diameter, and strain rate	S Barik, SS Sarangi	Physics	Molecular Simulation	2023	377-385	https://www.tandfonline.com/journals/gmos20	https://www.tandfonline.com/doi/full/10.1080/08927022.2022.2159997	SCI, SCOPUS	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Solvent-free Synthesis of Acridone based Dihydropyrazine Derivatives using CuFe ₂ O ₄ nanoparticles as Heterogeneous Catalyst: Molecular Docking and In-vitro Studies as Anticancer Agents	R. Veligeti, J. S. Anireddy, R. B. Madhu, A. Bendi, P. Lakshmi Praveen, and D.S. Ramakrishna	Physics	J. Inorganic & Organometallic Polymers & Mater	2023	1574-1443	https://www.springer.com/journal/10904	https://link.springer.com/article/10.1007/s10904-023-02638-4	SCI,Scopus, UGC Care List
Fine Band Gap Tuning of Novel Azoxy Mesogens Versus Non-mesogen Molecules: Comparative Spectroscopic Analysis for Industrial Applications.	S. Prasad, A. Penkova, S. Chakroborty, and P. Lakshmi Praveen	Physics	J. Inorganic & Organometallic Polymers & Mater	2023	1574-1443	https://www.springer.com/journal/10904	https://link.springer.com/article/10.1007/s10904-023-02714-9	SCI, Scopus, UGCCare List
Indole Substrates to Carbazole Targets: An Update in the Discovery of an Ideal Synthetic Methodology	Behera, D. S. Ramakrishna, S. Mohapatra, P. Lakshmi Praveen, and S. R. Kothakapu	Physics	J. Mol. Engg. Materials	2023	2251-2381	https://www.worldscientific.com/worldscinet/jmem	https://www.worldscientific.com/doi/10.1142/S225123732440001X	
Dynamical solutions and quadratic resonance of nonlinear perturbed Schrödinger equation	S. Behera	Physics	Frontiers in Applied Mathematics and Statistics	2023	2297-4687	https://www.frontiersin.org/journals/applied-mathematics-and-statistics	https://doi.org/10.3389/fams.2022.1086766	Scopus, UGCCare List
Analysis of traveling wave solutions of two space-time nonlinear fractional differential equations by the first-integral method	S. Behera	Physics	Modern Physics Letters B	2023	1793-6640	https://www.worldscientific.com/doi/abs/10.1142/S0217984923502470	https://doi.org/10.1142/S0217984923502470	SCI, Scopus, UGCCare List
Nonlinear evolution equations and their traveling wave solutions in fluid media by modified analytical method	S. Behera, NH. Aljahdaly	Physics	Pramana	2023	0973-7111	https://www.springer.com/journal/12043	https://doi.org/10.1007/s12043-023-02602-4	SCI, Scopus, UGCCare List
Effect of Interfacial Roughness on Mechanical and Thermo-Acoustic Behavior of Corn Husk Fiber	Singh, Priyanka P; Nath, G	Physics	Journal of Natural Fibers	2023	1544-0478	https://www.tandfonline.com/journals/wjnf20	https://doi.org/10.1080/15440478.2022.2134259	Science Citation Index Expanded (SCIE). SCOPUS
Exploring Properties of Short Randomly Oriented Rattan Fiber Reinforced Epoxy Composite for Automotive Application	Behera, Susanta; Mohanty, JR; Nath, G; Mahanta, Tapan K	Physics	Journal of Natural Fibers	2023	1544-0478	https://www.tandfonline.com/journals/wjnf20	https://doi.org/10.1080/15440478.2022.2163024	Science Citation Index Expanded (SCIE). SCOPUS
Physico-Chemical Study on Heat Transfer Property of Iron Oxide Nanofluid	Sa, Jayashree; Nath, Ganeswar; others	Physics	Indian Journal of Pure & Applied Physics (IJPAP)	2023	0019-5596	http://op.niscair.res.in/index.php/IJPAP/index	https://or.niscair.res.in/index.php/IJPAP/article/download/509/108/1843	Science Citation Index Expanded (SCIE). SCOPUS, UGC CARE.
Designing and Analysis of Rattan Fiber Based Functional Material for Quieter Applications	Behera, Susanta; Singh, Priyanka P; Mohanty, JR; Nath, G	Physics	Fibers and Polymers	2023	1229-9197	https://www.springer.com/journal/12221	https://link.springer.com/article/10.1007/s12221-023-00064-4	Science Citation Index Expanded (SCIE). SCOPUS
Synthesis and fabrication of acrylic acid treated rattan fiber epoxy composite	Behera, Susanta; Mohanty, Jyoti Ranjan; Nath, Ganeswar	Physics	International Journal of Materials Research	2023	1862-5282	https://www.degruyter.com/journal/key/ijmr/dum?lang=en	https://www.tandfonline.com/doi/full/10.1080/15440478.2022.2163024#:~:text=The%20acrylic%20acid%20treated%20rattan,followed%20by%20compression%20molding%20technique.	Science Citation Index Expanded (SCIE). SCOPUS

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Estimation of reflection loss in a microwave absorbing material based on the laser speckle method	Dash, Akshay K; Singh, Priyanka P; Nath, Ganeswar	Physics	Laser Physics Letters	2023	1612-2011	https://iopscience.iop.org/journal/1612-202X	https://iopscience.iop.org/article/10.1088/1612-202X/ace2b3	Science Citation Index Expanded (SCIE), SCOPUS, UGC CARE
Fabrication and analysis of luffa natural fiber based acoustic shielding material for noise reduction	Singh, PP; Nath, G	Physics	Journal of Natural Fibers	2022	1544-0478	https://www.tandfonline.com/journals/wjn20	https://doi.full/10.1080/15440478.2021.2022559	Science Citation Index Expanded (SCIE). SCOPUS
Ultrasonic Processing and Thermo-acoustic Analysis of Orange Peel Waste as Smart Acoustic Material: Waste and Biomass Valorization	Singh, Priyanka P; Nath, G	Physics	Waste and Biomass Valorization	2022	1877-2641	https://www.springer.com/journal/12649/	https://link.springer.com/article/10.1007/s12649-022-01699-9	Science Citation Index Expanded (SCIE), SCOPUS, UGC CARE
Development of sustainable thermo acoustic material from residual organic wastes	Singh, Priyanka Priyadarsini; Nath, Ganeswar	Physics	Journal of Scientific & Industrial Research	2022	0022-4456	http://nopr.niscair.res.in/handle/123456789/46	https://pdfs.semanticscholar.org/a0bd/12732e1f9036109f02b718788f92ee7ce5c1.pdf	UGC CARE, Scopus,DOAJ
Green processing of alumina nanomaterial for thermal application	Sa, Jayashree; Nath, Ganeswar	Physics	Materials Today: Proceedings	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S221478532027833	UGC CARE, Scopus
Ultrasonic processing of effective graded acoustic material	Singh, Priyanka P; Nath, G	Physics	Materials Today: Proceedings	2022	2542-5293	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320232229	UGC CARE, Scopus
Effect of Green Processing on Enhancement of Thermal Conductivity of Nanofluid for Thermal Applications	Sa, Jayashree; Nath, Ganeswar	Physics	Journal of Scientific & Industrial Research	2022	0022-4456	http://nopr.niscair.res.in/handle/123456789/46	https://nopr.niscair.res.in/bitstream/123456789/59851/1/JSIR%2081%286%29%20671-682.pdf	UGC CARE, Scopus,DOAJ
Development of Microwave Absorbing Material with Organic Waste based Epoxy Blended Composite	Nath, Ganeswar; Dash, Akshaya Kumar; others	Physics	Indian Journal of Pure & Applied Physics (IJPAP)	2022	0019-5596	http://op.niscair.res.in/index.php/IJPAP/index	https://nopr.niscair.res.in/bitstream/123456789/59881/1/IJPAP%2060%286%29%20482-488.pdf	Science Citation Index Expanded (SCIE). SCOPUS, UGC CARE
Analysis on thermal conductivity of green processed alumina nanofluid for thermal industries	Sa, J; Nath, G	Physics	Advances in Natural Sciences: Nanoscience and Nanotechnology	2022	1110-0621	https://iopscience.iop.org/journal/2043-6262	https://iopscience.iop.org/article/10.1088/2043-6262/ac7721/meta	UGC CARE, Scopus
Synthesis and Characterization of Microwave Absorbed Material from Agricultural Wastes	Mishra, Sakti Prasad; Nath, Ganeswar; Mishra, Punyatoya	Physics	Re-Use and Recycling of Materials: Solid Waste Management	2022	2397-7264	http://rcnetbase.com/series/B	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003339304-27/synthesis-characterization-microwave-absorbed-material-agricultural-wastes-sakti-prasad-mishra-ganeswar-nath-punyatoya-mishra	
Investigation on Sound Absorber Performance, Insulation Property, and Dielectric Constant of Sugarcane Bagasse	Mishra, Sakti Prasad; Mishra, Punyatoya; Nath, Ganeswar	Physics	Re-Use and Recycling of Materials: Solid Waste Management	2022	2397-7264	http://rcnetbase.com/series/B	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003339304-26/investigation-sound-absorber-performance-insulation-property-dielectric-constant-sugarcane-bagasse-sakti-prasad-mishra-punyatoya-mishra-ganeswar-nath	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Agricultural Waste based Biocomposite for Electromagnetic Shielding Application	Dash, Akshaya Kumar; Singh, Priyanka P; Nath, Ganeswar; others	Physics	Journal of Scientific & Industrial Research	2022	0022-4456	http://nopr.niscair.res.in/handle/123456789/46	https://nopr.niscair.res.in/handle/123456789/60914	UGC CARE, Scopus,DOAJ
Synthesis and Analysis of Novel Thermo-Acoustic and Mechanical Behaviour of Rattan Reinforced Composite for Value Added Applications	Behera, Susanta; Mohanty, Jyoti Ranjan; Nath, Ganeswar	Physics	Journal of Scientific & Industrial Research	2022	0022-4456	http://nopr.niscair.res.in/handle/123456789/46	https://nopr.niscair.res.in/bitstream/123456789/61008/1/JSIR%2081%2812%29%201249-1258.pdf	UGC CARE, Scopus,DOAJ
Laser processing of composite materials for acoustic applications	Singh, Priyanka Priyadarsini; Nath, Ganeswar	Physics	Laser Physics	2022	1555-6611	https://iopscience.iop.org/journal/1555-6611	https://iopscience.iop.org/article/10.1088/1555-6611/aca60b	Science Citation Index Expanded (SCIE). SCOPUS, UGC CARE
Tribological Performance of Acrylic Acid Modified Short Rattan Fibre Reinforced Epoxy Composite.	Behera, Susanta; Mohanty, Jyoti R; Pradhan, Madhusmita; Nath, Ganeswar; Mahanta, Tapan K	Physics	Tribology in Industry	2022	0354-8996	https://www.tribology.rs/	https://search.proquest.com/openview/4feca93f2645fa9da5716e63ae1abc117pq-origsite=gscholar&cbl=5154741	UGC CARE, Scopus,DOAJ
Experimental and artificial neural network based analysis of solvent blends for dewaxing of crude oil	Tripathy, A; Nath, G; Paikaray, R; others	Physics	Egyptian Journal of Petroleum	2021	1110-0621	https://www.sciencedirect.com/journal/egyptian-journal-of-petroleum	https://www.sciencedirect.com/science/article/pii/S110062120304657	UGC CARE, Scopus,DOAJ
Non-contact optical measurement of material surfaces with a laser based sensor	Satapathy, Priyanka; Nath, Ganeswar; Mishra, Punyatoya	Physics	Laser Physics	2021	1555-6611	https://iopscience.iop.org/journal/1555-6611	https://iopscience.iop.org/article/10.1088/1555-6611/abd9ad#:-:text=The%20surface%20of%20the%20material%20is%20exposed%20under%20the%20laser%20voltage%20applied%20across%20the%20circuit.	Science Citation Index Expanded (SCIE). SCOPUS, UGC CARE
Solvent treatment on cloud point for dewaxing in crude oil industries	Nath, Ganeswar; others	Physics	Journal of Scientific & Industrial Research	2021	0022-4456	http://nopr.niscair.res.in/handle/123456789/46	http://op.niscair.res.in/index.php/JSIR/article/download/42699/465478815#:-:text=Choice%20of%20solvent%20blends%20for%20particular%20solvent%20to%20oil%20ratio.	UGC CARE, Scopus,DOAJ
Ultrasonic assisted solvent extraction in synthesis of ceria nanofluids from rare earth material for heat exchange application	Giri, R; Ghosh, M; Tripathy, A; Nath, G	Physics	Advances in Natural Sciences: Nanoscience and	2021	2043-6262	https://iopscience.iop.org/journal/2043-6262	https://iopscience.iop.org/article/10.1088/2043-6254/abdebf	UGC CARE, Scopus
Laser induced surface analysis of acoustic materials for noise reduction	Singh, Priyanka Priyadarsini; Nath, Ganeswar	Physics	Laser Physics	2021	1555-6611	https://iopscience.iop.org/journal/1555-6611	https://iopscience.iop.org/article/10.1088/1555-6611/ac0343/meta	Science Citation Index Expanded (SCIE). SCOPUS, UGC CARE
Noise reduction analysis through biomaterial based acoustic material	Nath, Ganeswar; Singh, Priyanka Priyadarsini; others	Physics	Indian Journal of Pure & Applied Physics (IJAP)	2021	0019-5596	http://op.niscair.res.in/index.php/IJAP/index	https://nopr.niscair.res.in/bitstream/123456789/57722/1/IJAP%2059(6)%20429-436.pdf	Science Citation Index Expanded (SCIE). SCOPUS, UGC CARE
Synthesis and analysis of biomass based green acoustic shielding material	Nath, Ganeswar; Singh, Priyanka Priyadarsini; others	Physics	Journal of Scientific & Industrial Research	2021	0022-4456	http://nopr.niscair.res.in/handle/123456789/46	https://nopr.niscair.res.in/bitstream/123456789/57969/1/JSIR%2080%287%29%20630-637.pdf	UGC CARE, Scopus,DOAJ

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Ultrasonically synthesized dielectric microwave absorbing material from coconut coir dust	Mishra, SP; Nath, G; Mishra, P	Physics	Waste and Biomass Valorization	2020	1877-2641	https://www.springer.com/journal/12649/	https://link.springer.com/article/10.1007/s12649-018-0478-4	Science Citation Index Expanded (SCIE), SCOPUS, UGC CARE
Study of effect of ultrasonication on benzoylation of cellulose in synthesis of activated carbon for microwave absorbing material	Nath, Ganeswar; others	Physics	Indian Journal of Chemistry-Section A (IJCA)	2020	0376-4710	http://op.niscair.res.in/index.php/IJCA	http://op.niscair.res.in/index.php/IJCA/article/view/24160	UGC CARE, Scopus
Synthesis and characterization of microwave absorbing material	Mishra, GR; Nath, G; Paikaray, R	Physics	Indian Journal of Physics	2020	0973-1458	https://www.springer.com/journal/12648	https://link.springer.com/article/10.1007/s12648-019-01633-1	Science Citation Index Expanded (SCIE), SCOPUS, UGC CARE
Influence of high-energy ball milling on structural, microstructural, and optical properties of Mg ₂ TiO ₄ nanoparticles	Bhuyan, Ranjan Kumar; Mohapatra, Ranjan Kumar; Nath, Ganeswar; Sahoo, Basanta Kumar; Das, Debadutta; Pamu, D	Physics	Journal of Materials Science: Materials in Electro	2020	0957-4522	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-019-02568-3	UGC CARE, Scopus
Ultrasonic assisted synthesis of activated carbon for electromagnetic shielding material from rice husk fibre	Nath, Ganeswar; Mishra, GR; Paikaray, R; others	Physics	Indian Journal of Pure & Applied Physics (IJAP)	2020	0019-5596	http://op.niscair.res.in/index.php/IJAP/index	https://www.researchgate.net/publication/341205411_Ultrasonic_assisted_synthesis_of_activated_carbon_for_electromagnetic_shielding_material_from_rice_husk_fibre	Science Citation Index Expanded (SCIE), SCOPUS, UGC CARE
Synthesis and analysis of microwave stealth material	Mishra, SP; Nath, G; Mishra, P	Physics	Materials today: proceedings	2020	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320329345	UGC CARE, Scopus
Design and analysis of effective graded microwave absorbing material for low observable technology	Mishra, SP; Garnayak, S; Bhuyan, RK; Nath, G	Physics	Indian Journal of Pure & Applied Physics (IJAP)	2020	0019-5596	http://op.niscair.res.in/index.php/IJAP/index	https://www.researchgate.net/publication/347356653_Design_and_analysis_of_effective_graded_microwave_absorbing_material_for_low_observable_technology	Science Citation Index Expanded (SCIE), SCOPUS, UGC CARE
Study on thermo-acoustic insulating property of biocomposite	Mishra, SP; Nath, G	Physics	Indian Journal of Pure & Applied Physics (IJAP)	2019	0019-5596	http://op.niscair.res.in/index.php/IJAP/index	https://core.ac.uk/download/pdf/229210217.pdf	Science Citation Index Expanded (SCIE), SCOPUS, UGC CARE
A non-contact laser-based sensor for surface analysis of a rotating shaft	Deo, Ib Singh; Nath, G	Physics	Laser Physics	2019	1555-6611	https://iopscience.iop.org/journal/1555-6611	https://iopscience.iop.org/article/10.1088/1555-6611/ab458c#:~:text=The%20non%20contact%20laser%20sensor,feeds%20it%20into%20a%20DSO.	Science Citation Index Expanded (SCIE), SCOPUS, UGC CARE
Ultrasonic characterization of compatible chemicals on waste materials for pre synthesis of microwave absorbing material	Mishra, GR; Nath, G; Paikaray, R	Physics	IOP Conference Series: Materials Science and En	2019		https://iopscience.iop.org/journal/1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/577/1/012187	
Synthesis and Analysis of Bioceramic Material for Mitigation of Electromagnetic Interference in Radar Communication	Garnayak, Susmita; Mishra, Sakti Prasad; Mishra, Punyatoya; Nath, Ganeswar	Physics	International Conference on Range Technology (I	2019		https://ieeexplore.ieee.org/document/9069651	https://ieeexplore.ieee.org/abstract/document/9069651/	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Physico-Acoustic Study on Thermal Conductivity of Silver Nanofluid	Nath, Ganeswar	Physics	Journal of Heat and Mass Transfer Research	2018	2475-5031	https://jhmtr.semnan.ac.ir/article_2883.html#:~:text=The%20silver%20nanoparticles%20are%20characterized,different%20concentration%20at%20room%20temperature.	UGC CARE , Scopus	
Effect of ultrasonication in synthesis of gold nano fluid for thermal applications	Nath, G; Giri, R	Physics	IOP Conference Series: Materials Science and En	2018		https://iopscience.iop.org/journal/1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/310/1/012088	
Designing and testing a laser-based vibratory sensor	Nath, G	Physics	Laser Physics	2018	1555-6611	https://iopscience.iop.org/journal/1555-6611	https://iopscience.iop.org/article/10.1088/1555-6611/aaa93b	Science Citation Index Expanded (SCIE). SCOPUS, UGC CARE
Ultrasonic characterization of silver nano fluid	Nanda, A; Tiadi, A; Mallik, SK; Giri, R; Nath, G	Physics	IOP Conference Series: Materials Science and En	2018		https://iopscience.iop.org/journal/1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/360/1/012064/pdf	
Effect of ultrasonication in treatment of crude oil	Nath, Ganeswar; Tripathy, A; Paikaray, R; others	Physics	Indian Journal of Pure & Applied Physics (IJPAP)	2018	0019-5596	http://op.niscair.res.in/index.php/IJPAP/index	https://nopr.niscair.res.in/bitstream/123456789/45348/1/IJPAP%2056%2811%29%20914-919.pdf	Science Citation Index Expanded (SCIE). SCOPUS, UGC CARE
Ultrasonic aided dewaxing of crude oil in petroleum refinery	Tripathy, A; Nath, G; Paikaray, R	Physics	Materials Today: Proceedings	2018	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S214785318326725	UGC CARE, Scopus
Extraction of energy material: An ultrasonic approach	Giri, R; Nath, G; Kar, PK	Physics	Materials Today: Proceedings	2018	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S214785318326713	UGC CARE, Scopus
Synthesis and analysis of acou-physical properties of banana biocomposite	Mishra, SP; Nath, G; others	Physics	IOP Conference Series: Materials Science and En	2018		https://iopscience.iop.org/journal/1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/310/1/012087	
Agricultural waste based radar absorbing material	Nath, Ganeswar	Physics	International Journal of Advanced Technology En	2018	2250-3536	http://www.ijater.com/	http://www.ijater.com/files/NCRTSTM_01_05.pdf	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Physico-Acoustic Study on Thermal Conductivity of Silver Nanofluid	Nath, Ganeswar	Physics	Journal of Heat and Mass Transfer Research	2018	2475-5031	https://d1wqtxts1xzle7.cloudfront.net/79950450/article_2883_4b3b0cdca2cfa3cd4ba0a67687b093bc-libre.pdf?1643589548=&response-content-disposition=inline%3B+filename%3DPhysico+Acoustic+Study+on+Thermal+Conduc.pdf&Expires=1694468725&Signature=CJf6Sj8VxVf9G72LPjL3qaur1Ot8ZzZdyGUTd51QUlsN04Y-LMqjDk-LWpQtfm2D6MLDjnb1-mUidnWstxg1n45KkKedcGS4gKDj7bn-By-sn46BI2pA6CWqVIXbzJGmmjJehC0af02OtGBO-eJldkDPZ8b1Bq3mzJ26HtRXtEe-SWQrjLXlWvoL-xdBctu2mSGnZZTLvC6VIZJ3cvX2D4JswmZxLEc6UMfL6rRYSStDEQqnW5xPzXJVHWvSveWEaQGC3kL6yoB-4oEH5lekAppVdH-p2Qd-2qF6SOYcfmtbbNUB7AwZORij5SvECDnSCKUj7f1kZZJLWwPXA_&Key-Pair-Id=APKAILOHFSGGSLRBV4ZA	UGC CARE , Scopus	
Structural Dimensionality Dependence of the Band Gap in $An^{+1}BnX_{3n+1}$ Ruddlesden-Popper Perovskites: A Global Picture	Y Zhang, MPK Sahoo, Y Liang, G Tang	Physics	The Journal of Physical Chemistry Letters	2022	9632-9641	https://pubs.acs.org/journal/jpcld	https://pubs.acs.org/doi/abs/10.1021/acs.jpcllett.2c01992	SCI, SCIE, SCOPUS
Designing orbital and charge ordering multiferroics by superlattice strategy and strain engineering	Yajun Zhang, Peng Han, MPK Sahoo, Xu He, Jie Wang, Philippe Ghosez	Physics	Physical Review B	2022	235156	https://journals.aps.org/prb/	https://journals.aps.org/prb/abstract/10.1103/PhysRevB.106.235156	SCI, SCIE, SCOPUS
Defect driven enhanced ferromagnetism in Sb-modified SnO ₂ nanoparticles	HK Mallick, B Santara, MPK Sahoo, AK Pattanaik	Physics	Journal of Materials Science: Materials in Electro	2023	80	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-022-09437-6	SCI, SCIE, SCOPUS
Dielectric and room temperature ferromagnetism in vacuum annealed Bi (Zn _{0.5} Zr _{0.5})O ₃ modified PbTiO ₃ ceramics	M Mishra, MPK Sahoo, LK Pradhan, AK Pattanaik	Physics	Ceramics International	2023	https://doi.org/10.1016/j.ceramint.2023.03.001	https://www.sciencedirect.com/journal/ceramics-international	https://www.sciencedirect.com/science/article/abs/pii/S0272884223026160	SCI, SCIE, SCOPUS
Preparation and Characterization of Hybrid Laminated Composite Beams	S.Sahoo, P.C.Jena	Production Engineering	Advances in Materials and Processing Technology	2021	2374-0698	https://www.tandfonline.com/loc/tmpl20/6/2	https://doi.org/10.1080/23740698.2021.1953924	DOI:https://doi.org/10.1080/23740698.2021.1953924

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years									
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years									
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Investigations on Surface Integrity in Hard Turning of Functionally Graded Specimen under Nano Fluid Assisted Minimum Quantity Lubrication,	S.Pradhan, S.R.Das, P.C.Jena, D.dhupal	Production Engineering	Advances in Materials and Processing Technology	2021	2374-0698	https://www.tandfonline.com/doi/10.1080/2374068X.2021.1948706	https://doi.org/10.1080/2374068X.2021.1948706		
Design and Analysis of a N	Saurav Kumar Bhatt, Pankaj C	Production Engineering	Journal of Huazhong University of Science and T	2021	1671-4512	https://app.box.com/s/https://app.box.com/s/rvxfkjo22wiawnoqybfsplyw3ljnhzy			
Machining performance evaluation under recently developed sustainable HAJM process of zirconia ceramic using hot SiC abrasives: An experimental and simulation approach	S.Pradhan, S.R.Das, P.C.Jena, D.dhupal	Production Engineering	Part C: J Mechanical Engineering Science	2021	2041-2983	https://journals.sagepub.com/home/pic	https://doi.org/10.1177/09544062211010199		
Comparative Stress analysis of different suitable Biomaterials for Artificial Hip Joint and Femur Bone using Finite Element Simulation	Sarada Prasad Parida, Pankaj Charan Jena, Sudhansu R. Das, D. Dhupal, R. R. Dash	Production Engineering	Advances in Materials and Processing Technology	2021	2374-0698	https://www.tandfonline.com/doi/10.1080/2374068X.2021.1949541	https://doi.org/10.1080/2374068X.2021.1949541		
Experimental investigation on machining of hardstone quartz with modified AJM using hot silicon carbide abrasives	Subhadip Pradhan, Sudhansu Ranjan Das, Basanta Kumar Nanda, Pankaj Charan Jena & Debabrata Dhupal	Production Engineering	Journal of the Brazilian Society of Mechanical Sc	2020	1806-3691	https://www.springer.com/journal/40430	https://doi.org/10.1007/s40430-020-02644-4		
Machining of Hardstone Quartz With Modified AJM Process using Hot SiC Abrasives: Analysis, Modeling, Optimization, and Cost Analysis,	Subhadip Pradhan, Sudhansu Ranjan Das, Basanta Kumar Nanda, Pankaj Charan Jena & Debabrata Dhupal	Production Engineering	Surface Review And Letters	2020	1793-6667	https://www.worldscientific.com/worldscinet/srl	https://doi.org/10.1142/S02500493500493		
Advances of Shear Deformation Theory for Analyzing the Dynamics of Laminated Composite Plates: An Overview	Sarada Prasad Parida, Pankaj Charan Jena	Production Engineering	Mechanics of Composite Materials,	2020	1573-8922	https://www.springer.com/journal/11029	https://link.springer.com/article/10.1007/s11029-020-09896-0	https://doi.org/10.1007/s11029-020-09896-0	
Characterization of Fabricated FG Pipe with Natural Fiber-Flyash-Epoxy using Centrifugal Casting	Sarmila Singh, Sarada Prasad Parida, Premananda Ekka, Pankaj Charan Jena	Production Engineering	International Journal of Innovative Technology an	2019	2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i11/K14370981119.pdf	DOI: 10.35940/ijitee.I9831.0881019,	
Dynamic Investigation of FRP Cracked Beam Using Neural Network Technique	Pankaj Charan Jena, Dayal R. Parhi & G. Pohit	Production Engineering	Journal of Vibration Engineering & Technologies	2019	2321-3558	https://www.springer.com/journal/42417	https://doi.org/10.1007/s42417-019-00158-5		
Design and Finite Element analysis of Thick walled Laminated Composite Pressure Vessel	Sarada Prasad Parida, Pankaj Charan Jena	Production Engineering	International Journal of Innovative Technology an	2019	2278-3075	https://www.ijitee.org/	http://doi.org/10.35940/ijitee.I9831.0881019		
Dynamic analysis of laminated composite beam using Timoshenko beam Theory	Sarada P. Parida, Pankaj Charan Jena, R. R. Dash	Production Engineering	International Journal of Engineering and Advance	2019	2249 – 8958	https://www.ijeat.org/	http://www.doi.org/10.35940/ijeat.F9118.088619		
Buckling analysis of Functionally Graded Natural Fiber-Flyash-Epoxy (FGNFFE) Cylinder	Sarada Prasad Parida, Saritprava Sahoo, Basna Bidisha Bal, Pankaj Charan Jena	Production Engineering	International Journal of Engineering and Advance	2019	2249 – 8958	https://www.ijeat.org/	http://www.doi.org/10.35940/ijeat.F9118.088619	http://www.doi.org/10.35940/ijeat.F9118.088619	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	DOI
Fabrication, Characterization and Drilling Operation of Natural Fiber Reinforced Hybrid Composite With Filler (Fly-Ash/Graphene).	P. Saraswati, S.P.Parida, P.C. Jena	Production Engineering	International Journal of Innovative Technology and Design	2019	2278-3075	https://www.ijitee.org/	DOI: 10.35940/ijitee.J1253.0881019
Mechanical Properties of Fabricated CFRP with Filler	P.C.Jena	Production Engineering	International Journal of Engineering and Advanced Technology	2019	2249 – 8958	https://www.ijeat.org/	DOI: 10.35940/ijeat.E71666/ijeat.E7166.088619
Solidifying behavior and Characterization of Al (LM6) +SICP Metal Matrix Composites	S. Kayal, Rabindra Behera, Pankaj Charan Jena	Production Engineering	International Journal of Engineering and Advanced Technology	2019	2249 – 8958	https://www.ijeat.org/	DOI: 10.35940/ijeat.F8527.088619
Comparative assessment on weldability of Al 6061 to polycarbonate for dissimilar sheets placement in friction stir lap welding using sensor signal	Goswami N. and Pal K	Production Engineering	Proc IMechE Part C: J Mechanical Engineering	2021	ISSN:09544062, 20412983	https://journals.sagepub.com/home/PIC	https://doi.org/10.1177/09544062211042663
Optimizing process parameters for joint strength efficiency improvement in friction stir welding of polycarbonate sheets	Sahu S K., Mishra D., and Pal K	Production Engineering	Material Science and Engineering Technology	2021	ISSN:1521-4052	https://onlinelibrary.wiley.com/journal/15214052	https://onlinelibrary.wiley.com/doi/abs/10.1002/mawe.202000205
Prediction of drilled hole quality in bidirectional woven carbon fiber reinforced plastic using wavelet packets of force-torque signals	Barik T. and Pal K	Production Engineering	Journal of Reinforced Plastics and Composites	2021	ISSN:0731-6844 (print)	https://journals.sagepub.com/home/jrp	https://journals.sagepub.com/doi/abs/10.1177/07316844211011757
Investigation on Mechanical Behavior of Friction Stir Welded Nylon-6 using Temperature Signatures	Sahu S. K., Mishra D., and Pal K	Production Engineering	Journal of Materials Engineering and Performance	2020	ISSN:1059-9495 (print)	https://www.springer.com/journal/11665	https://link.springer.com/article/10.1007/s11665-020-05030-2
Multi Sensor based strategies for accurate monitoring of friction stir welding of polycarbonate sheets	Sahu S. K., Mishra D., Pal K. and Pal S. K	Production Engineering	Proc IMechE Part C: J Mechanical Engineering	2020	ISSN:09544062, 20412983	https://journals.sagepub.com/home/pic	https://journals.sagepub.com/doi/abs/10.1177/0954406220960772
Tribiological investigation and optimization of friction stir spot welding of dissimilar metals by I.SSM-ANN method	Pattanaik Ajit K., Pal K, and Mishra Debadutta	Production Engineering	Mechanics Based Design Of Structures And Machines	2020	ISSN:15397742, 15397743	https://www.tandfonline.com/doi/abs/10.1080/15397734.2020.1759429?journalCode=lmbd20	https://doi.org/10.1080/15397734.2020.1759429
Monitoring of hole surface integrity in drilling of bi-directional woven CFRP composites	Barik T., Pal K., Parimita S, Sahoo P. and Patra K	Production Engineering	Proc IMechE Part C: J Mechanical Engineering	2020	ISSN:09544062, 20412983	https://journals.sagepub.com/home/pic	https://journals.sagepub.com/doi/abs/10.1177/0954406220906292
Particle swarm optimization and machinability aspects during turning of hardened D3 steel	Rath, D., Panda, S., Mishra, A. and Pal, K	Production Engineering	Journal of Advanced Manufacturing Systems	2020	ISSN (print): 0219-3759	https://www.worldscientific.com/doi/10.1142/S02196872050033X	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Dry turning of AISI D3 steel using a mixed ceramic insert: A study	Rath, D., Panda, S. and Pal, K	Production Engineering	<i>Proc IMechE Part C: J Mechanical Engineering</i>	2019	ISSN:09544062, 20	https://journals.sagepub.com/doi/abs/10.1177/0954406219862844		
Monitoring of friction stir welding for dissimilar Al 6063 alloy to polypropylene using sensor signals	Sahu S K., Pal K, Mahto R. P., Dash P	Production Engineering	<i>Int J Adv Manuf Technol</i>	2019	ISSN: 0268-3768 (https://www.springerprofessional.de/en/the-international-journal-of-advanced-manufacturing-technology/4883186		https://www.springerprofessional.de/en/monitoring-of-friction-stir-welding-for-dissimilar-al-6063-alloy/16750060
A Comparative Experimental Approach on Delamination Factor While Drilling of GFRP and CFRP	Barik T, Gahir S, and Pal K	Production Engineering	<i>Journal of Engineering Innovation and Research</i>	2019	ISSN 2230- 9373	https://jeir.org/		https://jeir.org/paperfile/450687003_A%20Comparative%20Experimental%20Approach%20on%20Delamination%20Factor%20While%20Drilling%20of%20GFRP%20and%20CFRP.pdf
Multi-objective optimization of pulsed gas metal arc welding process using neuro NSGA-II	Pal, K., and Pal, S. K	Production Engineering	<i>Journal of The Institution of Engineers (India): Se</i>	2019	ISSN: 2250-0545 (https://www.springer.com/journal/40032		https://link.springer.com/article/10.1007/s40032-018-0466-2
Friction Stir Welding of Polypropylene Sheet	Sahu, S K, Mishra, D, Mahto, R P, Sharma, Vyas M, Pal, K, Banerjee, S, Dash, P and Pal, S K.,	Production Engineering	<i>Engineering Science and Technology, an Internat</i>	2018	ISSN: 2215-0986	https://www.sciencedirect.com/journal/engineering-science-and-technology-an-international-journal		https://www.sciencedirect.com/science/article/pii/S2215098617308327
A comparative study for machining of Ti-6Al-4V alloy for multi-criteria response	Priyadarshini, M and Pal, K	Production Engineering	<i>Journal of Advanced Manufacturing Systems</i>	2018	ISSN (print): 0219-	https://www.worldscientific.com/doi/abs/10.1142/S0219686718500294		
A new optimized predictive model based on political optimizer for eco-friendly MQL-turning of AISI 4340 alloy with nano-lubricants	Ammar H. Elsheikh, Mohamed Abd Elaziz, Sudhansu Ranjan Das, T. Muthuramalingam, Songfeng Lu	Production Engineering	<i>Journal of Manufacturing Processes</i>	2021	1526-6125	https://www.sciencedirect.com/journal/journal-of-manufacturing-processes		https://doi.org/10.1016/j.jmapro.2021.05.014
Hard turning of AISI D6 steel with recently developed HSN2-TiAlxN and conventional TiCN coated carbide tools: comparative machinability investigation and sustainability assessment	Anshuman Das, Madhav Kumar Gupta, Sudhansu Ranjan Das, Asutosh Panda, Saroj Kumar Patel & Smita Padhan	Production Engineering	<i>Journal of the Brazilian Society of Mechanical Sc</i>	2022	1806-3691	https://www.springer.com/journal/40430		https://doi.org/10.1007/s40430-022-03445-7
Machinability Investigation of Nitronic 60 Steel Turning Using SiAlON Ceramic Tools under Different Cooling/Lubrication Conditions	Smita Padhan, Sudhansu Ranjan Das, Anshuman Das, Mohammad S. Alsoufi, Ahmed Mohamed Mahmoud Ibrahim, and Ammar Elsheikh	Production Engineering	<i>Materials</i>	2022	1996-1944	https://www.mdpi.com/journal/materials		https://doi.org/10.3390/ma15072368

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Machinability investigation and sustainability assessment in hard turning of AISI D3 steel with coated carbide tool under nanofluid minimum quantity lubrication-cooling condition	Lalatendu Dash, Smita Padhan, Anshuman Das, Sudhansu Ranjan Das	Production Engineering	Proceedings of the Institution of Mechanical Engi	2021	0954-4062	https://journals.sagepub.com/home/pic	https://doi.org/10.1177%2F0954406221993844		
Machining performance evaluation under recently developed sustainable HAJM process of zirconia ceramic using hot SiC abrasives: An experimental and simulation approach	Subhadip Pradhan, Sudhansu Ranjan Das, Pankaj Charan Jena, Debabrata Dhupal	Production Engineering	Proceedings of the Institution of Mechanical Engi	2021	0954-4062	https://journals.sagepub.com/home/pic	https://doi.org/10.1177%2F09544062211010199		
Optimization of erosion wears of Al-Mg-Si-Cu-SiC composite produced by PM method	Rajesh Kumar Behera, Birajendu Prasad Samal, Sarat Chandra Panigrahi and Sudhansu Ranjan Das	Production Engineering	Corrosion Reviews	2021	2191-0316	https://www.degruyter.com/journal/key/corrrev/html	https://doi.org/10.1515/corrrev-2020-0048		
Optimized posture prediction for task specific during stacking process using human upper body movements	Biswaranjan Rout, Ratiranjan Dash, Debabrata Dhupal & Sudhansu Ranjan Das	Production Engineering	International Journal on Interactive Design and M	2022	1955-2513	https://www.springer.com/journal/12008	https://doi.org/10.1007/s12008-022-00841-0		
Design optimization for analysis of surface integrity and chip morphology in hard turning	Lalatendu Dash, Smita Padhan, Sudhansu Ranjan Das	Production Engineering	Structural Engineering and Mechanics	2020	1225-4568	http://www.techno-press.org/2journal=sem	http://dx.doi.org/10.12989/sem.2020.76.5.561		
Modeling and optimization of power consumption for economic analysis, energy saving carbon footprint analysis, sustainability assessment in finish hard turning under graphene nanoparticle assisted minimum quantity lubrication	Smita Padhan, Lalatendu Dash, Santosh Kumar Behera, Sudhansu Ranjan Das	Production Engineering	Process Integration and Optimization for Sustaina	2020	2509-4238	https://www.springer.com/journal/41660	https://link.springer.com/article/10.1007/s41660-020-00132-9		
Analysis, predictive modelling and multi-response optimization in electrical discharge machining of Al-22%SiC metal matrix composite for minimization of surface roughness and hole overcut	Subhashree Naik, Sudhansu Ranjan Das, Debabrata Dhupal	Production Engineering	Manufacturing Review	2020	2265-4224	https://mf.edp-open.org/	https://doi.org/10.1051/mfreview/2020018		
Machinability investigation and sustainability assessment in FDHT with coated ceramic tool	A. Panda, S.R. Das, & D. Dhupal	Production Engineering	Steel and Composite Structures	2020	1229-9367	http://www.techno-press.org/2journal=scs	http://dx.doi.org/10.12989/scs.2020.34.5.681		
Experimental investigation of various machining attributes and cost estimation during machining of hardened AISI 4340 steel with untreated and cryo treated cermet inserts	Anshuman Das, Sudhansu Ranjan Das, Saroj Kumar Patel, and Bibhuti Bhusan Biswal	Production Engineering	Mechanics & Industry	2020	2257-7777	https://www.mechanics-industry.org/	https://doi.org/10.1051/meca/2019082		

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years								
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years								
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Sustainability assessment and machinability investigation of austenitic stainless steel in finish turning with advanced ultra-hard SiAlON ceramic tool under different cutting environments	Smita Padhan, Anshuman Das, Aniket Santoshwar, Thakkar Raj Dharmendrabhai, Sudhansu Ranjan Das	Production Engineering	Silicon	2020	1876-990X	https://www.springer.com/journal/12633	https://doi.org/10.1007/s12633-020-00409-1	
Performance evaluation of aluminium oxide nano particles in cutting fluid with MQL technique in turning of hardened AISI 4340 alloy steel	Anshuman Das, Saroj Kumar Patel, Bibhuti Bhusan Biswal, and Sudhansu Ranjan Das	Production Engineering	SCIENTIA IRANICA	2020	1026-3098	http://scientiairanica.sharif.edu/	https://dx.doi.org/10.24200/sci.2019.51223.2069	
Modelling and optimization of technological parameters in hot abrasive jet machining of alumina ceramic	Ranjit Kumar Behera, Sudhansu Ranjan Das	Production Engineering	Matériaux & Techniques	2019	0032-6895	https://www.mattech-journal.org/	https://doi.org/10.1051/mattech/2020008	
Performance appraisal of various nanofluids during hard machining of AISI 4340 steel	Anshuman Das, Omprakash Pradhan, Saroj Kumar Patel, Sudhansu Ranjan Das, Bibhuti Bhusan Biswal	Production Engineering	Journal of Manufacturing Processes	2019	1526-6125	https://www.sciencedirect.com/journal/journal-of-manufacturing-processes	https://doi.org/10.1016/j.jmapro.2019.07.023	
Effect of MQL and nanofluid on the machinability aspects of hardened alloy steel	Anshuman Das, Omprakash Pradhan, Saroj Kumar Patel, Sudhansu Ranjan Das, Bibhuti Bhusan Biswal	Production Engineering	Machining Science and Technology	2019	1091-0344	https://www.tandfonline.com/loc/mst20/current	https://doi.org/10.1080/10910344.2019.1669167	
Performance comparison of vegetable oil based nanofluids towards machinability improvement in hard turning of HSLA steel using minimum quantity lubrication	Anshuman Das, Saroj Kumar Patel, and Sudhansu Ranjan Das	Production Engineering	Mechanics & Industry	2019	2257-7777	https://www.mechanics-industry.org/	https://doi.org/10.1051/meca/2019036	
Machinability Investigation and Cost Estimation During Finish Dry Hard Turning of AISI 4340 Steel with Untreated and Cryo Treated Cermet Inserts	Anshuman Das, Saroj Kumar Patel, Bibhuti Bhusan Biswal, and Sudhansu Ranjan Das	Production Engineering	Journal of Superhard Materials	2019	1063-4576	https://www.springer.com/journal/11961	https://doi.org/10.3103/S1063457619040051	
Tribomechanical performance of glass-epoxy hybrid composites filled with marble powder using Taguchi Design and Artificial neural network	Subrajit Ray, Arun Kumar Rout and Ashok Kumar Sahoo	Production Engineering	CompMechComputApplIntJ	2019	2152-2073	https://www.begellhouse.com/journals/composites-mechanics-computations-applications-an-international-journal.html	10.1615/CompMechComputApplIntJ.2018024953	
Effect of marble particle on Physico-mechanical behavior of glass fiber reinforced epoxy composites	Subrajit Ray, Arun Kumar Rout and Ashok Kumar Sahoo	Production Engineering	The international journal of integrated engineering	2019	2229-838X	https://publisher.uthm.edu.my/ojs/index.php/ijie		
Study on static and dynamic mechanical properties of hybrid palm stalk fiber reinforced epoxy composites	Jnanranjan Kar, Arun Kumar Rout, Alekha Kumar Sutar and Tanmay Mohanty	Production Engineering	BioResources	2020	1930-2126	https://bioresources.cnr.ncsu.edu/	10.15376/biores.15.2.4249-4270	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
Prediction models for online cutting tool and machined surface condition monitoring during hard turning considering vibration signal	Amalana Panda, Ashok Kumar Sahoo, Isham Panigrahi and Arun Kumar Rout	Production Engineering	Mechanics & Industry	2020	2257-7777	www.mechanics-industry.org				
A comparative analysis of the abrasion wear characteristics of industrial wastes filled glass/polyester composites	Subjrajit Ray, Arun Kumar Rout and Ashok Kumar Sahoo	Production Engineering	Polymer Composites	2020	1548-0569	https://onlinelibrary.wiley.com/journal/15480569				
A review on Borassus flabelifer lignocellulose fiber reinforced polymer composites	Jitesh Singh, Arun Kumar Rout and Kanchan Kumari	Production Engineering	Carbohydrate Polymer	2021	0144-8617	https://www.journals.elsevier.com/carbohydrate-polymers				
Improvement of electro discharge machining performance of Ti-6Al-4V using SiC powder mixed in EDM oil and optimisation of process parameters	Sunita Sethy , Jaydev Rana	Production Engineering	European journal of Molecular and clinical medicine	2020	ISSN: 2515-8260	https://ejmcm.com/article_5695.html				
Thermo-acoustic analysis of higher-order shear deformable laminated composite sandwich flat panel	N Sharma, TR Mahapatra, SK Panda, P Katariya	Production Engineering	Journal of Sandwich Structures & Materials	2020	ISSN: 1099-6362	https://doi.org/10.1177/1099636218784846	https://doi.org/10.1177/1099636218784846	https://doi.org/10.1177/1099636218784846		
Prediction of nonlinear eigenfrequency of laminated curved sandwich structure using higher-order equivalent single-layer theory	PV Katariya, SK Panda, TR Mahapatra	Production Engineering	Journal of Sandwich Structures & Materials	2019	ISSN: 1099-6362	https://doi.org/10.1177/1099636217728420	https://doi.org/10.1177/1099636217728420	https://doi.org/10.1177/1099636217728420		
Hygrothermal effect on vibroacoustic behaviour of higher-order sandwich panel structure with laminated composite face sheets	N Sharma, TR Mahapatra, SK Panda	Production Engineering	Engineering Structures	2019	ISSN: 0141-0296	https://doi.org/10.1016/j.engstruct.2019.109355	https://doi.org/10.1016/j.engstruct.2019.109355	https://doi.org/10.1016/j.engstruct.2019.109355		
Vibroacoustic analysis of thermo-elastic laminated composite sandwich curved panel: a higher-order FEM–BEM approach	N Sharma, TR Mahapatra, SK Panda	Production Engineering	International Journal of Mechanics and Materials	2019	ISSN:1569-1713	https://doi.org/10.1007/s10999-018-9426-5	https://doi.org/10.1007/s10999-018-9426-5	https://doi.org/10.1007/s10999-018-9426-5		
Numerical analysis of transient responses of delaminated layered structure using different mid-plane theories and experimental validation	SS Sahoo, SK Panda, TR Mahapatra, CK Hirwani	Production Engineering	Iranian Journal of Science and Technology, Trans	2019	ISSN:2228-6187	https://doi.org/10.1007/s40997-017-0111-3	https://doi.org/10.1007/s40997-017-0111-3	https://doi.org/10.1007/s40997-017-0111-3		
Finite element solution of stress and flexural strength of functionally graded doubly curved sandwich shell panel	S Dash, K Mehar, N Sharma, TR Mahapatra, SK Panda	Production Engineering	Earthquakes and Structures	2019	ISSN:2092-7614	https://doi.org/10.12989/eas.2019.16.1.055	https://doi.org/10.12989/eas.2019.16.1.055	http://dx.doi.org/10.12989/eas.2019.16.1.055		

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
Vibro-acoustic analysis of laminated composite plate structure using structure-dependent radiation modes: An experimental validation	N Sharma, TR Mahapatra, SK Panda	Production Engineering	Scientia Iranica	2018	ISSN:1026-3098	https://doi.org/10.24200/sci.2018.20420	https://doi.org/10.24200/sci.2018.20420	https://dx.doi.org/10.24200/sci.2018.20420		
Thermoelastic deflection responses of CNT reinforced sandwich shell structure using finite element method	K Mehar, SK Panda, TR Mahapatra	Production Engineering	Scientia Iranica	2018	ISSN:1026-3098	https://doi.org/10.24200/sci.2017.4525	https://doi.org/10.24200/sci.2017.4525	https://doi.org/10.24200/sci.2017.4525		
Numerical analysis of acoustic radiation responses of shear deformable laminated composite shell panel in hygrothermal environment	N Sharma, TR Mahapatra, SK Panda	Production Engineering	Journal of Sound and Vibration	2018	ISSN: 0022-460X	https://doi.org/10.1016/j.jsv.2018.06.007	https://doi.org/10.1016/j.jsv.2018.06.007	http://dx.doi.org/10.1016/j.jsv.2018.06.007		
Bending and vibration analysis of skew sandwich plate	PV Katariya, SK Panda, TR Mahapatra	Production Engineering	Aircraft Engineering and Aerospace Technology	2018	ISSN:0002-2667	https://doi.org/10.1108/AEAT-05-2016-0087	https://doi.org/10.1108/AEAT-05-2016-0087	https://doi.org/10.1108/AEAT-05-2016-0087		
Finite-element solution to nonlocal elasticity and scale effect on frequency behavior of shear deformable nanoplate structure	K Mehar, TR Mahapatra, SK Panda, PV Katariya, UK Tompe	Production Engineering	Journal of Engineering Mechanics	2018	ISSN:0733-9399	https://doi.org/10.1061/(ASCE)EM.1943-7889.0001519	https://doi.org/10.1061/(ASCE)EM.1943-7889.0001519	https://doi.org/10.1061/(ASCE)EM.1943-7889.0001519		
Delamination effect on flexural responses of layered curved shallow shell panel-experimental and numerical analysis	CK Hirwani, SK Panda, TR Mahapatra, SK Mandal, SS Mahapatra, AK De	Production Engineering	International Journal of Computational Methods	2018	ISSN:0219-8762	https://doi.org/10.1142/S0219876218500275	https://doi.org/10.1142/S0219876218500275	https://doi.org/10.1142/S0219876218500275		
Nonlinear frequency responses of functionally graded carbon nanotube-reinforced sandwich curved panel under uniform temperature field	K Mehar, SK Panda, TR Mahapatra	Production Engineering	International Journal of Applied Mechanics	2018	ISSN: 1758-8251	https://doi.org/10.1142/S175882511850028X	https://doi.org/10.1142/S175882511850028X	https://doi.org/10.1142/S175882511850028X		
Acoustic radiation and frequency response of higher-order shear deformable multi-layered composite doubly curved shell panel—an experimental validation	N Sharma, TR Mahapatra, SK Panda, CK Hirwani	Production Engineering	Applied Acoustics	2018	ISSN: 0003-682X	https://doi.org/10.1016/j.apacoust.2017.12.013	https://doi.org/10.1016/j.apacoust.2017.12.013	https://doi.org/10.1016/j.apacoust.2017.12.013		
Nonlinear Finite Element Analysis of Transient Behavior of Delaminated Composite Plate	CK Hirwani, SK Panda, TR Mahapatra	Production Engineering	Journal of Vibration and Acoustics	2018	ISSN:1528-8927	https://doi.org/10.1115/1.4037848	https://doi.org/10.1115/1.4037848	https://doi.org/10.1115/1.4037848		
Thermoacoustic behavior of laminated composite curved panels using higher-order finite-boundary element model	N Sharma, TR Mahapatra, SK Panda	Production Engineering	International Journal of Applied Mechanics	2018	ISSN: 1758-8251	https://doi.org/10.1142/S1758825118500175	https://doi.org/10.1142/S1758825118500175	https://doi.org/10.1142/S1758825118500175		
Thermomechanical deflection and stress responses of delaminated shallow shell structure using higher-order theories	CK Hirwani, SK Panda, TR Mahapatra	Production Engineering	Composite Structures	2018	ISSN: 0263-8223	https://doi.org/10.1016/j.compstruct.2017.09.071	https://doi.org/10.1016/j.compstruct.2017.09.071	https://doi.org/10.1016/j.compstruct.2017.09.071		
Modal analysis of FG sandwich doubly curved shell structure	S Dash, K Mehar, N Sharma, TR Mahapatra, SK Panda	Production Engineering	Structural Engineering and Mechanics	2018	ISSN: 1225-4568	https://doi.org/10.12989/se	https://doi.org/10.12989/se	http://dx.doi.org/10.12989/se.2018.68.6.721		

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years								
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years								
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Evaluation of vibroacoustic responses of laminated composite sandwich structure using higher-order finite-boundary element model	N Sharma, TR Mahapatra, SK Panda, K Mehar	Production Engineering	Steel and Composite Structures	2018	ISSN: 1229-9367	https://doi.org/10.12989/scs.2018.28.5.629	http://dx.doi.org/10.12989/scs.2018.28.5.629	
Characterization of the acoustic radiation properties of laminated and sandwich composite panels in thermal environment	N Sharma, TR Mahapatra, SK Panda, P Sahu	Production Engineering	Materials Science and Engineering	2018	ISSN: 0921-5093	https://doi.org/10.1088/1757-899X/338/1/012031	https://iopscience.iop.org/article/10.1088/1757-899X/338/1/012031	
Free vibration analysis of functionally graded sandwich flat panel	S Dash, N Sharma, TR Mahapatra, SK Panda, P Sahu	Production Engineering	Materials Science and Engineering	2018	ISSN: 0921-5093	https://doi.org/10.1088/1757-899X/338/1/012140	DOI:10.1088/1757-899X/338/1/012140	
Analysis of vibro-acoustic response of un-baffled laminated composite conical shell panel with varying thickness	N Sharma, TR Mahapatra, SK Panda	Production Engineering	Materials Science and Engineering	2018	ISSN: 0921-5093	https://doi.org/10.1088/1757-899X/338/1/012139	DOI:10.1088/1757-899X/338/1/012139	
Nonlinear thermal buckling behaviour of laminated composite panel structure including the stretching effect and higher-order finite element	PV Katariya, SK Panda, TR Mahapatra	Production Engineering	Advances in Materials Research	2017	ISSN: 1435-1889	https://doi.org/10.12989/amr.2017.6.4.349	DOI: http://dx.doi.org/10.12989/amr.2017.6.4.349	
Vibro-acoustic behaviour of shear deformable laminated composite flat panel using BEM and the higher order shear deformation theory	N Sharma, TR Mahapatra, SK Panda	Production Engineering	Composite Structures	2017	ISSN: 0263-8223	https://doi.org/10.1016/j.compstruct.2017.08.012	https://doi.org/10.1016/j.compstruct.2017.08.012	
Theoretical and experimental investigation of vibration characteristic of carbon nanotube reinforced polymer composite structure	K Mehar, SK Panda, TR Mahapatra	Production Engineering	International Journal of Mechanical Sciences	2017	ISSN: 0020-7403	https://doi.org/10.1016/j.ijmecsci.2017.08.057	https://doi.org/10.1016/j.ijmecsci.2017.08.057	
Nonlinear thermoelastic deflection of temperature-dependent FGM curved shallow shell under nonlinear thermal loading	TR Mahapatra, VR Kar, SK Panda, K Mehar	Production Engineering	Journal of Thermal Stresses	2017		https://doi.org/10.1080/01495739.2017.1302788	https://doi.org/10.1080/01495739.2017.1302788	
Thermoelastic nonlinear frequency analysis of CNT reinforced functionally graded sandwich structure	K Mehar, SK Panda, TR Mahapatra	Production Engineering	European Journal of Mechanics-A/Solids	2017	ISSN:0997-7538	https://doi.org/10.1016/j.euromechsol.2017.05.005	https://doi.org/10.1016/j.euromechsol.2017.05.005	
Numerical study and experimental validation of dynamic characteristics of delaminated composite flat and curved shallow shell structure	CK Hirwani, SK Panda, TR Mahapatra, SS Mahapatra	Production Engineering	Journal of Aerospace Engineering	2017	ISSN:0893-1321	https://doi.org/10.1061/(ASCE)AS.1943-5525.0000756	https://doi.org/10.1061/(ASCE)AS.1943-5525.0000756	http://dx.doi.org/10.1061/(ASCE)AS.1943-5525.0000756
Electro-magneto-elastic response of laminated composite plate: A finite element approach	G Dutta, SK Panda, TR Mahapatra, VK Singh	Production Engineering	International Journal of Applied and Computational	2017	ISSN:2349-5103	https://link.springer.com/article/10.1007/s40819-016-0256-6	https://link.springer.com/article/10.1007/s40819-016-0256-6	https://doi.org/10.1007/s40819-016-0256-6

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Numerical study of vibro-acoustic responses of un-baffled multi-layered composite structure under various end conditions and experimental validation	N Sharma, TR Mahapatra, SK Panda	Production Engineering	Latin American Journal of Solids and Structures	2017	ISSN: 1679-7817	https://doi.org/10.1590/1679-78253830	https://doi.org/10.1590/1679-78253830	http://dx.doi.org/10.1590/1679-78253830	
Nonlinear thermoelastic frequency analysis of functionally graded CNT-reinforced single/doubly curved shallow shell panels by FEM	K Mehar, SK Panda, TQ Bui, TR Mahapatra	Production Engineering	Journal of Thermal Stresses	2017		https://doi.org/10.1080/01495739.2017.1318689	https://doi.org/10.1080/01495739.2017.1318689	https://doi.org/10.1080/01495739.2017.1318689	
Nonlinear transient finite-element analysis of delaminated composite shallow shell panels	CK Hirwani, SK Panda, TR Mahapatra, SS Mahapatra	Production Engineering	AIAA Journal	2017	ISSN:1533-385X	https://doi.org/10.2514/1.J055624	https://doi.org/10.2514/1.J055624	https://doi.org/10.2514/1.J055624	
Nonlinear free vibration analysis of laminated carbon/epoxy curved panels	CK Hirwani, TR Mahapatra, SK Panda, SS Sahoo, VK Singh, BK Patle	Production Engineering	Defence Science Journal	2017		https://doi.org/10.14429/dsj.67.10072	https://doi.org/10.14429/dsj.67.10072	DOI : 10.14429/dsj.67.10072	
Numerical investigation on the nonlinear flexural behaviour of wrapped glass/epoxy laminated composite panel and experimental validation	SS Sahoo, SK Panda, VK Singh, TR Mahapatra	Production Engineering	Archive of Applied Mechanics	2017	iISSN:0939-1533	https://link.springer.com/10.1007/s00419-016-1195-8	https://link.springer.com/10.1007/s00419-016-1195-8	https://doi.org/10.1007/s00419-016-1195-8	
Effect of different temperature load on thermal postbuckling behaviour of functionally graded shallow curved shell panels	VR Kar, TR Mahapatra, SK Panda	Production Engineering	Composite Structures	2017	ISSN: 0263-8223	https://doi.org/10.1016/j.compstruct.2016.10.125	https://doi.org/10.1016/j.compstruct.2016.10.125	https://doi.org/10.1016/j.compstruct.2016.10.125	
Vibro-acoustic analysis of un-baffled curved composite panels with experimental validation	N Sharma, TR Mahapatra, SK Panda	Production Engineering	Structural engineering and mechanics: An international journal	2017	ISSN: 1225-4568	https://doi.org/10.12989/sem.2017.64.1.093	https://doi.org/10.12989/sem.2017.64.1.093	DOI: http://dx.doi.org/10.12989/sem.2017.64.1.093	
Thermal buckling behaviour of shear deformable functionally graded single/doubly curved shell panel with TD and TID properties	VR Kar, SK Panda, TR Mahapatra	Production Engineering	Advances in Materials Research	2016	ISSN: 1435-1889	https://doi.org/10.12989/amr.2016.5.4.205	https://doi.org/10.12989/amr.2016.5.4.205	DOI: http://dx.doi.org/10.12989/amr.2016.5.4.205	
Nonlinear transient analysis of smart laminated composite plate integrated with PVDF sensor and AFC actuator	VK Singh, TR Mahapatra, SK Panda	Production Engineering	Composite Structures	2016	ISSN: 0263-8223	https://doi.org/10.1016/j.compstruct.2016.08.020	https://doi.org/10.1016/j.compstruct.2016.08.020	https://doi.org/10.1016/j.compstruct.2016.08.020	
Nonlinear flexural analysis of single/doubly curved smart composite shell panels integrated with PFR actuator	VK Singh, TR Mahapatra, SK Panda	Production Engineering	European Journal of Mechanics-A/Solids	2016	ISSN:0997-7538	https://doi.org/10.1016/j.euromechsol.2016.08.006	https://doi.org/10.1016/j.euromechsol.2016.08.006	DOI: 10.1016/j.euromechsol.2016.08.006	
Nonlinear hygro-thermo-elastic vibration analysis of doubly curved composite shell panel using finite element micromechanical model	TR Mahapatra, SK Panda, VR Kar	Production Engineering	Mechanics of Advanced Materials and Structures	2016		https://doi.org/10.1080/15376494.2015.1085606	https://doi.org/10.1080/15376494.2015.1085606	https://doi.org/10.1080/15376494.2015.1085606	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Static, free vibration and transient response of laminated composite curved shallow panel—an experimental approach	SS Sahoo, SK Panda, TR Mahapatra	Production Engineering	European Journal of Mechanics-A/Solids	2016	ISSN:0997-7538	https://doi.org/10.1016/j.euromechsol.2016.03.014	https://doi.org/10.1016/j.euromechsol.2016.03.014	
Nonlinear flexural analysis of laminated composite panel under hygro-thermo-mechanical loading—a micromechanical approach	TR Mahapatra, SK Panda, VR Kar	Production Engineering	International Journal of Computational Methods	2016	ISSN (print): 0219-00158	https://doi.org/10.1142/S0219876216500158	https://doi.org/10.1142/S0219876216500158	
Geometrically nonlinear flexural analysis of hygro-thermo-elastic laminated composite doubly curved shell panel	TR Mahapatra, SK Panda, VR Kar	Production Engineering	International Journal of Mechanics and Materials	2016	ISSN:1569-1713	https://doi.org/10.1007/s10999-015-9299-9	https://doi.org/10.1007/s10999-015-9299-9	
Large amplitude vibration analysis of laminated composite spherical panels under hydrothermal environment	TR Mahapatra, VR Kar, SK Panda	Production Engineering	International Journal of Structural Stability and Dynamics	2016	ISSN:0219-4554	https://doi.org/10.1142/S0219455414501053	https://doi.org/10.1142/S0219455414501053	
Large amplitude bending behaviour of laminated composite curved panels	TR Mahapatra, VR Kar, SK Panda	Production Engineering	Engineering Computations	2016	ISSN:0264-4401	https://doi.org/10.1108/EC-05-2014-0119	https://doi.org/10.1108/EC-05-2014-0119	
Nonlinear free vibration analysis of laminated composite spherical shell panel under elevated hydrothermal environment: A micromechanical approach	TR Mahapatra, SK Panda	Production Engineering	Aerospace Science and Technology	2016	ISSN: 1270-9638	https://doi.org/10.1016/j.ast.2015.12.018	DOI:10.1016/j.ast.2015.12.018	
Experimental investigation into machinability of hardened AISI D6 steel using newly developed AlTiSiN coated carbide tools under sustainable finish dry hard turning	A Das, SR Das, A Panda, SK Patel	Production Engineering	Proceedings of the Institution of Mechanical Engineers	2022	0954-4089	https://journals.sagepub.com/description/pie	https://doi.org/10.1177/09544089221078137	
MACHINABILITY INVESTIGATION OF CRYOGENICALLY TREATED HARDENED AISI 4140 ALLOY STEEL USING CBN INSERT UNDER SUSTAINABLE FINISH DRY HARD TURNING	MOHAMMAD RAFIGHI, MUSTAFA OZDEMIR, ANSHUMAN DAS and SUDHANSU RANJAN DAS	Production Engineering	Surface Review And Letters	2022	1793-6667	https://www.worldscientific.com/worldscinet/srl	https://doi.org/10.1142/S0218625X22500470	
Electrical Discharge Machining of Engineered Al-22% SiC Metal Matrix Composite: Surface Roughness Analysis, Optimization, Economic Analysis, and Sustainability Assessment	Subhashree Naik, Sudhansu Ranjan Das, Debabrata Dhupal & Ajit Kumar Khatua	Production Engineering	Process Integration and Optimization for Sustainable Manufacturing	2022	2509-4238	https://www.springer.com/journal/41660	https://doi.org/10.1007/s41660-021-00207-1	
Performance Assessment and Chip Morphology Evaluation of Austenitic Stainless Steel under Sustainable Machining Conditions	Anshuman Das, Smita Padhan, Sudhansu Ranjan Das, Mohammad S. Alsoufi, Ahmed Mohamed Mahmoud Ibrahim, and Ammar Elsheikh	Production Engineering	Metals	2021	2075-4701	https://www.mdpi.com/journal/metals	https://doi.org/10.3390/met11121931	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
Comparative assessment between AlTiN and AlTiSiN coated carbide tools towards machinability improvement of AISI D6 steel in dry hard turning	A Das, M Kamal, SR Das, SK Patel, A Panda, M Rafighi, BB Biswal	Production Engineering	Proceedings of the Institution of Mechanical Engi	2021	0954-4062	https://journals.sagepub.com/home/pic	https://doi.org/10.1177%2F095440622111037373			
Experimental and simulation approach of surface generation on K-80 alumina ceramic by recently developed sustainable FB-HAJM using novel nozzle design	Subhadip Pradhan, Debabrata Dhupal	Production Engineering	Proceedings of the Institution of Mechanical Engi	2022	0954-4089	https://journals.sagepub.com/description/pic	https://doi.org/10.1177%2F09544089221093988			
Investigation on Surface Morphology and Dimensional Characteristics of Micro-channels Fabricated on Titanium-V Alloy by DPSS Nd:YAG Laser	Samir Kumar Panda, Sweta Rout, Debasish Panigrahi & Debabrata Dhupal	Production Engineering	Lasers in Manufacturing and Materials Processing	2021	2196-7237	https://www.springer.com/journal/40516	https://doi.org/10.1007/s40516-021-00156-0			
An Integrated Approach of Simulation, Modeling and Computer-aided Design of Hot Abrasive Jet Machining Setup	Subhadip Pradhan, Debabrata Dhupal	Production Engineering	Journal of Advanced Manufacturing Systems	2021	0219-6867	https://www.worldscientific.com/worldscinet/jams	https://doi.org/10.1142/S0219686722500123			
Microchanneling on bio-inert dental ceramic using dry pulsed laser ablation and liquid supported pulsed laser ablation approach	Sweta Rout, Debasish Panigrahi, SK Patel, Debabrata Dhupal	Production Engineering	Optics and Lasers in Engineering	2021	0143-8166	https://www.sciencedirect.com/journal/optics-and-lasers-in-engineering	https://doi.org/10.1016/j.optlaseng.2021.106654			
A Tribological Parametric Analysis of Laser Textured Microgrooves on Si3N4	S Dixit, D Panigrahi, S Rout, S Panda, D Dhupal	Production Engineering	Lasers in Engineering	2021	0898-1507	https://www.oldcitypublishing.com/journals/lie-home/				
Horn design and analysis in ultrasonic machining process using ANSYS	Bikash Banerjee, Subhadip Pradhan, Somnath Das, Arindam Chakraborty, Debabrata Dhupal	Production Engineering	Advances in Materials and Processing Technology	2021	2374-0698	https://www.tandfonline.com/doi/10.1080/2374068X.2021.1945266	https://doi.org/10.1080/2374068X.2021.1945266			
Stray current and its consequences on microstructure of Hastelloy C-276 during parametric investigation on geometrical features: fabricated by electrochemical micromachining	Debasish Panigrahi, Sweta Rout, SK Patel, Debabrata Dhupal	Production Engineering	The International Journal of Advanced Manufactu	2021	0268-3768	https://www.springer.com/journal/170	https://doi.org/10.1007/s00170-020-06365-9			
Laser micro drilling of 316L stainless steel orthopedic implant: A study	S Pattanayak, S Panda, D Dhupal	Production Engineering	Journal of Manufacturing Processes	2021	1526-6125	https://www.journals.elsevier.com/journal-of-manufacturing-processes	https://doi.org/10.1016/j.jmapro.2020.01.042			
Posture prediction and optimization for a manual assembly operation involving lifting of weights	Biswaranjan Rout, Rati Ranjan Dash, Debabrata Dhupal	Production Engineering	International Journal for Simulation and Multidis	2021	1779-6288	https://www.ijsmdo.org/	https://doi.org/10.1051/smdo/2019020			
Free and forced vibration analysis of flyash/graphene filled laminated composite plates	Sarada P Parida, Pankaj C Jena	Production Engineering	Proceedings of the Institution of Mechanical Engi	2022	0954-4062	journals.sagepub.com/home/pic	https://doi.org/10.1177/09544062211053181			

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Turning of hardened AISI H13 steel with recently developed S3P-ATTiSiN coated carbide tool using MWCNT mixed nanofluid under minimum quantity lubrication	Sitesh Mahapatra, Anshuman Das, Pankaj Charan Jena, and Sudhansu Ranjan Das	Production Engineering	Proceedings of Institute Mechanical Engineering	2022	0954-4062	journals.sagepub.com/home/pic	https://doi.org/10.1177/09544062221126357	
Selective layer-by-layer filling and its effect on the dynamic response of laminated composite plates using higher-order theory	Sarada Prasad Parida, Pankaj Charan Jena	Production Engineering	Journal of Vibration and Control	2022	1741-2986	https://journals.sagepub.com/home/jvc	https://doi.org/10.1177/10775463221081180	
Dynamics of laminated-composite-plates with selective layer-wise filling rested on elastic foundation using higher-order layer-wise theory	Sarada Prasad Parida, Pankaj Charan Jena	Production Engineering	Journal of Vibration and Control	2022	1741-2986	https://journals.sagepub.com/home/jvc	https://doi.org/10.1177/10775463221138353	
Multi-fillers GFRP laminated composite plates: Fabrication & Properties	Sarada Prasad Parida, Pankaj Charan Jena	Production Engineering	Indian Journal of Engineering and Materials Science	2022	0975-1017	https://nopr.niscares.in/handle/123456789/61226	DOI: 10.56042/ijems.v29i6.70296	
Effect of lamina orientation, crack severity, and fillers on dynamic parameters of hybrid composite cantilever beam with double transverse cracks,	Saritprava Sahoo, Pankaj Charan Jena	Production Engineering	Materialwissenschaft und Werkstofftechnik	2023	1521-4052	https://onlinelibrary.wiley.com/doi/abs/10.1002/mawe.202200205	DOI: 10.1002/mawe.202200205	
Thermal stability and dynamic mechanical analysis of nano-biofillers blended hybrid composites reinforced by cellulosic Borassus flabellifer L.	Jitesh Singh and Arun Kumar Rout	Production Engineering	International Journal of Polymer Analysis and Characterization	2023	ISSN: 1563-5341	https://doi.org/10.1080/1023666X.2023.2251792	https://doi.org/10.1080/1023666X.2023.2251792	
Study on the physical, mechanical, and thermal behaviour of RHN blend epoxy hybrid composites reinforced by Borassus flabellifer L. fibers	Jitesh Singh and Arun Kumar Rout	Production Engineering	Cellulose, Springer	2023		doi.org/10.1007/s10570-023-05191-y	doi.org/10.1007/s10570-023-05191-y	
Characterization of raw and alkali-treated cellulosic fibers extracted from by Borassus flabellifer L.	Jitesh Singh and Arun Kumar Rout	Production Engineering	Biomass Conversion and Biorefinery, Springer	2022		https://doi.org/10.1007/s13399-022-03238-x	https://doi.org/10.1007/s13399-022-03238-x	
A state-of-the-art review on potential applications of natural fiber-reinforced polymer composite filled with inorganic nanoparticle	T Mishra, P Mandal, AK Rout, D Sahoo	Production Engineering	Composites Part C: Open Access, 100298	2022	ISSN: 2666-6820	https://doi.org/10.1016/j.jcomc.2022.100298	https://doi.org/10.1016/j.jcomc.2022.100298	
Effect of marble particle on physic-mechanical behaviour of glass fiber reinforced epoxy composites	Subhrajit Ray, Arun Kumar Rout* and Ashok Kumar Sahoo	Production Engineering	Int. Journal of Integrated Engineering, UTHM Publisher	2019	ISSN : 2229-838X	http://orcid.org/0000-0002-3167-3748	http://orcid.org/0000-0002-3167-3748	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Tribomechanical Performance of Glass-epoxy hybrid composites filled with marble powder with Taguchi Design and Artificial Neural Network	Subhrajit Ray, Arun Kumar Rout* and Ashok Kumar Sahoo	Production Engineering	International journal & Begell House Publications	2019	2152-2057	10.1615 /CompMechComput ApplIntJ. 2018024953		10.1615 /CompMechComput ApplIntJ. 2018024953	
Physical, Mechanical and Erosion Characterization of Palm Leaf Stalk fiber reinforced epoxy composites filled with Palm Leaf Stem Stalk (PLSS) powder	Jnanaranjan Kar, Arun Kumar Rout* and Alekha Kumar Sutar	Production Engineering	BioResources, NC State University, Raleigh, NC	2018		10.15376/biores. 13.4.7212-7231		10.15376/biores. 13.4.7212-7231	
Development and characterization of glass/polyester composites filled with industrial wastes using statistical techniques	Subhrajit Ray, Arun Kumar Rout* and Ashok Kumar Sahoo	Production Engineering	Indian Journal of Engineering & Material Science	2018					
A study on erosion performance analysis of glass-epoxy composites filled with marble waste using artificial neural network	Subhrajit Ray, Arun Kumar Rout* and Ashok Kumar Sahoo	Production Engineering	U.P.Sci Bull., SeriesB: Chemistry and Material Science	2018	1454-2331				
An overview of advanced fiber reinforced polymer composites and its applications	Arun Kumar Rout & Jitesh Kumar Singh	Production Engineering	Int. J. Of Mechanical and Production Engineering	2018	2249-8001	10.24247 /ijmperdoct201835		http://www.tjprc.org/view_paper.php?id=10551	
Investigating Machinability in hard turning of AISI 52100 steel through performance measurement: QR, ANN and GRA study	A. Panda, A. K. Sahoo, I. Panigrahi, A. K. Rout	Production Engineering	Int. Journal of Automotive and Mechanical Engineering	2018	2229-8649	https://doi.org/10.15282/ijame.15.1.2018.5.0384		https://doi.org/10.15282/ijame.15.1.2018.5.0384	
Tribo-mechanical performance of silicon carbide reinforced AA6061 metal matrix composites using Taguchi methodology	Arun Kumar Rout*, Manoj Kumar & Banabihari Nayak	Production Engineering	International journal & Begell House Publications	2017	2152-2057	10.1615 /CompMechComput ApplIntJ.v8.i1.40		10.1615 /CompMechComput ApplIntJ.v8.i1.40	
Effect of surface treatment on the physical, chemical and mechanical properties of palm tree leaf stalk fibers	Arun kumar Rout*, Jnanaranjan Kar, Dipak Kumar Jesthi and Alekh Kumar Sutar	Production Engineering	BioResources, NC State University, Raleigh, NC	2016		10.15376/biores. 11.2.4432-4445		10.15376/biores. 11.2.4432-4445	
Investigations on surface quality characteristics with multi-response parametric optimization and correlations	Amlan Panda, Ashok Kumar Sahoo and Arun Kumar Rout	Production Engineering	Alexandria Engineering Journal, Elsevier B.V. on	2016					
Investigation and optimization in electrochemical arc drilling of Ni55.7Ti nickel-titanium shape memory alloy with molybdenum electrode	Nitish Kumar, Amaresh Kumar, Sunita Sethy, Sudhansu Ranjan Das	Production Engineering	Journal of the Brazilian Society of Mechanical Science and Engineering	2023	1678-5878	https://www.springer.com/journal/40430		https://link.springer.com/article/10.1007/s40430-023-04374-9	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years								
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years								
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Environmental sustainability assessment of gasoline and methanol blended smart fuel for reduced emission formation	Swagatika Biswal, Sudhansu Ranjan Das, Nutan Saha, Prakash Chandra Mishra	Production Engineering	Environment, Development and Sustainability	2023	1387-585X	https://www.springer.com/journal/10668	https://link.springer.com/article/10.1007/s10668-023-03752-6	
Generation of Effusion Holes on Ultra-high Temperature Alloy by Micro Electro-discharge Machining Process	Debabrata Dhupal, Debasish Panigrahi, Sweta Rout, Rajesh Kumar Bhuyan, Soumyaranjan Nayak, Pankaj Charan Jena, Sudhansu Ranjan Das	Production Engineering	Surface Review and Letters	2023	0218-625X	https://www.worldscientific.com/doi/abs/10.1142/S0218625X2450015X		
Development and Mechanical Characterization of Ni-Cr Alloy Foam Using Ultrasonic-Assisted Electroplating Coating Technique	Raj Kumar Pittala, Priyaranjan Sharma, Gajanan Anne, Sachinkumar Patil, Vinay Varghese, Sudhansu Ranjan Das, Ch Sateesh Kumar, Filipe Fernandes	Production Engineering	Coatings	2023	2079-6412	https://www.mdpi.com/journal/coatings	https://www.mdpi.com/2079-6412/13/6/1002	
Coated Piston Ring Pack and Cylinder Liner Elastodynamics in Correlation to Piston Subsystem Elastohydrodynamic: Through FEA Modelling	Prakash Chandra Mishra, Arka Roychoudhury, Ayan Banerjee, Nutan Saha, Sudhansu Ranjan Das, Anshuman Das	Production Engineering	Lubricants	2023	2075-4442	https://www.mdpi.com/journal/lubricants	https://www.mdpi.com/2075-4442/11/5/192	
Surface characterization of SAE 304 after WED cutting: An experimental investigation and optimization	Priyaranjan Sharma, Hargovind Soni, Sunita Sethy, Sudhansu Ranjan Das, Mohammed Y Tharwan, Sharaf Al Sofyani, Abdel-Hamid I Mourad, Ammar Elsheikh	Production Engineering	Journal of Materials Research and Technology	2023	2238-7854	https://www.sciencedirect.com/journal/journal-of-materials-research-and-technology	https://www.sciencedirect.com/science/article/pii/S2238785423004180	
Investigation on Surface Integrity in Hard Turning of AISI 4140 Steel with SPPP-AITiSiN Coated Carbide Insert under Nano-MQL	Smita Padhan, Naresh Kumar Wagri, Lalatendu Dash, Anshuman Das, Sudhansu Ranjan Das, Mohammad Rafiqi, Priyaranjan Sharma	Production Engineering	Lubricants	2023	2075-4442	https://www.mdpi.com/journal/lubricants	https://www.mdpi.com/2075-4442/11/2/49	
Investigation on the Performance of Coated Carbide Tool during Dry Turning of AISI 4340 Alloy Steel	Naresh Kumar Wagri, Neelesh Kumar Jain, Anand Petare, Sudhansu Ranjan Das, Mohammed Y Tharwan, Abdulkarim Alansari, Bader Alqahtani, Majed Fattouh, Ammar Elsheikh	Production Engineering	Materials	2023	1996-1944	https://www.mdpi.com/journal/materials	https://www.mdpi.com/1996-1944/16/2/668	
Electrochemical Arc Drilling Of Nickel Titanium Shape Memory Alloy Using Molybdenum Electrode: Investigation, Modeling And Optimization	Nitish Kumar, Amaresh Kumar, Sudhansu Ranjan Das	Production Engineering	Surface Review and Letters	2023	0218-625X	https://www.worldscientific.com/worldscinet/srl	https://www.worldscientific.com/doi/10.1142/S0218625X23500579	
Performance analysis in turning of D3 tool steel using silver nanoplatelets as additives under MQL	M Naresh Babu, V Anandan, NL Parthasarathi, Cagri Vakkas Yildirim, M Dimesh Babu, Sudhansu Ranjan Das	Production Engineering	Journal of the Brazilian Society of Mechanical Sc	2023	1678-5878	https://www.springer.com/journal/40430	https://link.springer.com/article/10.1007/s40430-022-03909-w	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Evaluating the effect of minimum quantity lubrication during hard turning of AISI D3 steel using vegetable oil enriched with nano-additives	Ahmed Mohamed Mahmoud Ibrahim, Mohamed AE Omer, Sudhansu Ranjan Das, Wei Li, Mohammad S Alsoufi, Ammar Elsheikh	Production Engineering	Alexandria Engineering Journal	2022	1110-0168	https://www.sciencedirect.com/journal/alexandria-engineering-journal
Experimental Assessment and Topsis Optimization of Cutting Force, Surface Roughness, and Sound Intensity in Hard Turning of AISI 52100 Steel	Mohammad Rafiqhi, Mustafa Özdemir, Abidin Şahinoğlu, Ramanuj Kumar, Sudhansu Ranjan Das	Production Engineering	Surface Review and Letters	2022	0218-625X	https://www.worldscientific.com/doi/abs/10.1142/S0218625X22501505
Machine Learning-based modeling and optimization in hard turning of AISI D6 steel with advanced AlTiSiN-coated carbide inserts to predict surface roughness and other machining	Anshuman Das, Sudhansu Ranjan Das, Jyoti Prakash Panda, Abhijit Dey, Kishor Kumar Gajrani, Nalin Somani, Nitin Kumar Gupta	Production Engineering	Surface Review and Letters	2022	0218-625X	https://www.worldscientific.com/doi/abs/10.1142/S0218625X22501372
Experimental investigation into machinability of hardened AISI D6 steel using newly developed AlTiSiN coated carbide tools under sustainable finish dry hard turning	Anshuman Das, Sudhansu Ranjan Das, Asutosh Panda, Saroj Kumar Patel	Production Engineering	Proceedings of the Institution of Mechanical Engineers	2022	0954-4089	https://journals.sagepub.com/doi/abs/10.1177/09544089221078137
Comparative performance evaluation between HSN-TiAlxN and TiCN coated carbide tools in hard turning of AISI D6 steel	Anshuman Das, Sitesh Mohapatra, Kishor Kumar Gajrani, Sudhansu Ranjan Das, Saroj Kumar Patel	Production Engineering	Proceedings of the Institution of Mechanical Engineers	2022	0954-4054	https://journals.sagepub.com/doi/abs/10.1177/09544054221111884
Machinability investigation of cryogenically treated hardened AISI 4140 alloy steel using CBN insert under sustainable finish dry hard turning	Mohammad Rafiqhi, Mustafa Özdemir, Anshuman Das, Sudhansu Ranjan Das	Production Engineering	Surface Review and Letters	2022	0218-625X	https://www.worldscientific.com/doi/abs/10.1142/S0218625X22500470
Hard turning of AISI D6 steel with recently developed HSN2-TiAlxN and conventional TiCN coated carbide tools: comparative machinability investigation and sustainability assessment	Anshuman Das, Madhav Kumar Gupta, Sudhansu Ranjan Das, Asutosh Panda, Saroj Kumar Patel, Smita Padhan	Production Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2022	1678-5878	https://link.springer.com/article/10.1007/s40430-022-03445-7
Machinability investigation of Nitronic 60 steel turning using SiAlON ceramic tools under different cooling/lubrication conditions	Smita Padhan, Sudhansu Ranjan Das, Anshuman Das, Mohammad S Alsoufi, Ahmed Mohamed Mahmoud Ibrahim, Ammar Elsheikh	Production Engineering	Materials	2022	1996-1944	https://www.mdpi.com/journal/materials
Comparative performance evaluation between uncoated and TiAlN+AlCrN coated carbide tools in hard turning of AISI H11 steel	Anshuman Das, Apoorv Gautam, Asutosh Panda, Sudhansu Ranjan Das, Kishore Debnath, Ch Ramakrishna, Saroj Kumar Patel	Production Engineering	Proceedings of the Institution of Mechanical Engineers	2022	0954-4089	https://journals.sagepub.com/doi/abs/10.1177/09544089221110430

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Experimental analysis on machinability aspects of sintered aluminium metal matrix (Al+ Si+ Mg+ Cu+ SiC) composite-a novel product produced by powder metallurgy method	Rajesh Kumar Behera, Birajendu Prasad Samal, Sarat Chandra Panigrahi, Sudhansu Ranjan Das, Aezeden Mohamed, Kamalakanta Muduli, Ananya Samal, Pramod Kumar Parida, Ratnakar Das	Production Engineering	International Journal of Materials Engineering Int	2022	1757-2754	https://www.inderscienceonline.com/journal/ijmatei	https://www.inderscienceonline.com/doi/abs/10.1504/IJMATEI.2022.122156		
Impact of coolant Water floW rate and temperature underside cooling slope on solidification With microstructure and mechanical properties of casted aZ91 mg alloy	Sambeet Kumar Sahu, Nirmala Kumar Kund	Production Engineering	Archives of Metallurgy and Materials	2023	1733-3490	https://journals.pan.pl/amm	DOI: https://doi.org/10.24425/amm.2023.142448		
Influence of slurry delivery rate and height from cooling slope outlet on solidification and structural behaviors of molded AZ91 magnesium alloy	Sambeet Kumar Sahu, Nirmala Kumar Kund	Production Engineering	Proceedings of the Institution of Mechanical Engi	2022	0954-4062	https://journals.sagepub.com/doi/abs/10.1177/09544062221133221?journalCode=pich	https://doi.org/10.1177/09544062221133221		
Monitoring of friction stirred spot weld quality for dissimilar Al6061 to polycarbonate using tool assisted thrust-torque signatures	Pattanaik A K., Nayak, L.P., Bisoyi, R.K, Pal K, and Mishra D	Production Engineering	Proc IMechE Part C: J Mechanical Engineering S	2023	ISSN: 9544062	https://journals.sagepub.com/home/pic	https://doi.org/10.1177/09544062231173280	doi.org/10.1177/09544062231173280	
Optimization of process variables in drilling of carbon fiber reinforced plastics using various multi criteria decision making approaches	Barik T. and Pal K	Production Engineering	Material Science and Engineering Technology	2023	ISSN:1521-4052	https://onlinelibrary.wiley.com/journal/15214052	https://onlinelibrary.wiley.com/doi/abs/10.1002/mawe.202100300		
Investigation on tool positioning in friction stir lap welding of AA6061 to polycarbonate sheets using force-torque signals	Goswami N K., Nayak L P and Pal K	Production Engineering	Journal of Adhesion Science and Technology	2023	ISSN: 1694243, 15685616	https://www.tandfonline.com/doi/full/10.1080/01694243.2022.2080963	https://www.tandfonline.com/doi/full/10.1080/01694243.2022.2080963		
Sensor-based strategies for accurate prediction of drilled hole surface integrity of CFRP/Al7075 hybrid stack	Barik T., Pal K., Parimita S, Sahoo P. and Patra K	Production Engineering	Mechanics of Advanced Materials and Structures.	2022	ISSN: 15376494 , 15376532	https://www.tandfonline.com/journals/umcm20	doi.org/10.1080/15376494.2022.2131945		
Prediction of TiAlN and TiN coated carbide tool wear in drilling of bidirectional CFRP laminates using wavelet packets of thrust-torque signatures	Barik T. and Pal K	Production Engineering	Journal of the Brazilian Society of Mechanical Sc	2022	ISSN: 16785878, 18063691	https://www.springer.com/journal/40430	https://link.springer.com/article/10.1007/s40430-022-03673-x		

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Performance Analysis of Hybrid Ceramic Insert in Dry Turning of Hardened Tool Steel	Rath, D., Panda, S. and Pal, K	Production Engineering	Arabian Journal for Science and Engineering	2022	ISSN: 219356 7X	https://www.springer.com/journal/13369	https://link.springer.com/article/10.1007/s13369-022-06639-2?awc=26429_1694054648_a2555b82970ad03cfd2e20d0cfile61f6&utm_medium=affiliate&utm_source=awin&utm_campaign=CONR_BOOKS_ECOM_DE_PHSS_AI_WYS_D EEPLINK&utm_content=textlink&utm_term=922583	
Effect of thermo-physical properties of the tool materials on the electro-discharge machining performance of Ti-6Al-4V and SS316 work piece materials	Sethy, S., Behera, R. K., Davim, J. P., & Rana, J	Production Engineering	Journal of Manufacturing and Materials Processing	2022	6(5), 96	https://doi.org/10.3390/jmmp6050096	https://doi.org/10.3390/jmmp6050096	
Experimental investigation on the performance variations of three different work piece materials in EDM with variation of thermo-physical properties	Sethy, S., Behera, R. K., Rana, J., & Muduli, K	Production Engineering	International Journal of Process Management and	2023	15(1), 46-72	https://doi.org/10.1504/IJPMB.2023.132659	https://doi.org/10.1504/IJPMB.2023.132659	
Bio-dielectrics to improve the performance of electro discharge machining—an investigation for cleaner production opportunities	Sethy, S., Behera, R. K., Muduli, K., Kandasamy, J., Davim, J. P., & Rana, J.	Production Engineering	Advances in Materials and Processing Technology	2023		https://doi.org/10.1080/2374068X.2023.2215607	https://doi.org/10.1080/2374068X.2023.2215607	
Comparative performance investigation and sustainability assessment in electrical discharge machining of SS316 using different dielectrics.	Sethy, S., Rana, J., Sharma, P., & Das, S. R.	Production Engineering	Proceedings of Institute Mechanical Engineering	2023	0954-4062	journals.sagepub.com/home/pic	https://doi.org/10.1177/09544062231195951	
Erosion and wear analysis of fly ash filled GFRP composite	Anisha Ekka, Amruta Panda, Trupti Ranjan Mahapatra, Debadutta Mishra	Production Engineering	Materials Today Proceedings	2023	ISSN:2214-7853	https://doi.org/10.1016/j.matpr.2023.01.140	https://doi.org/10.1016/j.matpr.2023.01.140	
Evaluation and Characterization of Mechanical, Electrical, and Thermal Properties of Polymer Nanocomposites reinforced with different allotropes of carbon	Lipsamayee Mishra, Debadutta Mishra	Production Engineering	Journal of Harbin Institute of Technology (New S	2021	ISSN:1005-9113,2	https://drive.google.com/file/d/1iQpvMg97V8TERKHt13C9i2eljhW12-Co/view?usp=drive_link	10.11916/j.issn.1005-9113.2020105	
Investigation of laser micro-drilling machinability and performance optimization of polymer nanocomposites reinforced with different carbon allotropes	Lipsamayee Mishra, Debadutta Mishra, Truptiranj Mahapatra, Soumya Ranjan Parimanik	Production Engineering	Proceedings of the Institution of Mechanical Engi	2023	ISSN: 20413009	https://doi.org/10.1177/0954408923115889	https://doi.org/10.1177/0954408923115889	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Effect of tilted plate vibration on solidification and microstructural and mechanical properties of semisolid cast and heat-treated A356 Al alloy	N. K. Kund	Production Engineering	International Journal of Advanced Manufacturing Technology	2018	ISSN: 1433-3015;	https://doi.org/10.1007/s00170-018-2063-1
Impact of ultrasonic power on liquid fraction, microstructure and physical characteristics of A356 alloy molded through cooling slope	Pabak Mohapatra, N. K. Kund	Production Engineering	Journal of Central South University	2022	ISSN: 2227-5223;	https://doi.org/10.1007/s11771-022-4942-8
Effect of melt pouring rate and height on solidification, microstructure and mechanical properties of A356 aluminium alloy casted via cooling slope	Pabak Mohapatra, N. K. Kund	Production Engineering	Canadian Metallurgical Quarterly	2022	ISSN: 0008-4433;	https://doi.org/10.1080/00084433.2022.2039868
Effect of the nozzle diameter and melt velocity at the tundish outlet on solidification along microstructural and mechanical properties of the cooling slope casted AZ91 Mg alloy	N. K. Kund	Production Engineering	Canadian Metallurgical Quarterly	2022	ISSN: 0008-4433;	https://doi.org/10.1080/00084433.2022.2161228
Impact of coolant water flow rate and temperature underside cooling slope on solidification with microstructure and mechanical properties of casted AZ91 Mg alloy	S. K. Sahu, N. K. Kund	Production Engineering	Archives of Metallurgy and Materials	2023	ISSN: 1733-3490	https://doi.org/10.24425/amm.2023.142448
Influence of slurry delivery rate and height from cooling slope outlet on solidification and structural behaviors of molded AZ91 magnesium alloy	S. K. Sahu, N. K. Kund	Production Engineering	Journal of Mechanical Engineers, Part C: Journal of Mechanical Engineering	2023	ISSN: 0954-4062;	https://doi.org/10.1177/09544062221133221
Experimental investigation during pulsed fiber laser micro-engraving act on high-performance ceramic: Statistical study followed by surface morphology	Sweta Rout, SK Patel, Debabrata Dhupal, Debasish Panigrahi	Production Engineering	Optics & Laser Technology	2023	0030-3992	https://www.sciencedirect.com/science/article/pii/S0030399223007806
Experimental Investigation on Dimensional Characteristics and Surface Morphology of Microchannels Fabricated on Smart Ceramic by DPSS Nd: YAG Laser	Samir Kumar Panda, Sweta Rout, Debasish Panigrahi, Debabrata Dhupala	Production Engineering	International Journal of Engineering and Materials Science	2023	0971-4588	http://op.niscpr.res.in/index.php/IJEMS/article/view/70315
Machining of aluminium nitride ceramic with a hAJM process using SiC abrasives: Experiments and simulation	Subhadip Pradhan, Debabrata Dhupal	Production Engineering	Journal of Manufacturing Processes	2023	1526-6125	https://www.sciencedirect.com/journal/journal-of-manufacturing-processes https://doi.org/10.1016/j.jmapro.2023.04.011

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Synthesis and Characterization of Incense Stick Ash Filled Luffa cylindrica/Hair Fiber Reinforced Partially Biodegradable Composite	I. Rout, T. R. Mahapatra, and D. Mishra	Production Engineering	Fibers and Polymers	2023	1229-9197	https://doi.org/10.1007/s12221-023-00123-w	https://doi.org/10.1007/s12221-023-00123-w	10.1007/s12221-023-00123-w
Vibroacoustic Characterization of Multi-layered Composite Structure Under Hydrothermal Load Using Higher-Order FEM-IBEM Micromechanical Model	B. Dash, T. R. Mahapatra, D. Mishra	Production Engineering	Journal of Vibration Engineering Technologies	2023	2523-3920	https://doi.org/10.1007/s42417-023-00939-z	https://doi.org/10.1007/s42417-023-00939-z	10.1007/s42417-023-00939-z
Acoustic radiation efficiencies of laminated composite structure under mechanical excitation and hydrothermal loading: Numerical analysis	B. Dash, T. R. Mahapatra, D. Mishra, A. K. Rout	Production Engineering	Materials Today: Proceedings	2023	2214-7853	https://doi.org/10.1016/j.matpr.2023.04.269	https://doi.org/10.1016/j.matpr.2023.04.269	10.1016/j.matpr.2023.04.269
Investigation of laser micro-drilling machinability and performance optimization of polymer nanocomposites reinforced with different carbon allotropes	L. Mishra, T. R. Mahapatra, D. Mishra, S. R. Parimanik	Production Engineering	Proceedings of the Institution of Mechanical Engi	2023	0954-4089	https://doi.org/10.1177/0954408923115889	https://doi.org/10.1177/0954408923115889	10.1177/0954408923115889
A Systematic Literature Review on Laser Welding of NiTi SMA	S. R. Parimanik, T. R. Mahapatra, and D. Mishra	Production Engineering	Lasers in Manufacturing and Materials Processing	2023	2196-7229	http://dx.doi.org/10.1007/s40516-022-00200-7	http://dx.doi.org/10.1007/s40516-022-00200-7	10.1007/s40516-022-00200-7
Optimisation of performance characteristics in laser welding of Nitinol wires using Taguchi and grey relation analysis	S. R. Parimanik, T. R. Mahapatra, D. Mishra, A. K. Rout	Production Engineering	Advances in Materials and Processing Technology	2023	2374-0698	https://doi.org/10.1080/2374068X.2022.2088653	https://doi.org/10.1080/2374068X.2022.2088653	10.1080/2374068X.2022.2088653
Dissimilar Laser Welding of NiTi Alloy with Ferrous and Non-ferrous Material: Optimization of Process Parameters	S. R. Parimanik, T. R. Mahapatra, D. Mishra and A. K. Rout	Production Engineering	E3S Web of Conferences	2023	2267-1242	https://doi.org/10.1051/e3sconf/202339101167	https://doi.org/10.1051/e3sconf/202339101167	10.1051/e3sconf/202339101167
Effect of graphene reinforcement on the mechanical characteristics and machining performance of aluminium metal matrix composite	M. Das, S. R. Parimanik, T. R. Mahapatra, D. Mishra	Production Engineering	International Journal of Process Management and	2023	1460-6739	https://doi.org/10.1504/IJPMB.2023.132216	https://doi.org/10.1504/IJPMB.2023.132216	10.1504/IJPMB.2023.132216
Finite element analysis of thermoelastic free vibration behaviour of hardcore higher-order doubly curved sandwich shell panel	S. Dash, T. R. Mahapatra, K. Mehar, I. Panigrahi, and D. Mishra	Production Engineering	International Journal of Structural Engineering	2023	1758-7336	https://doi.org/10.1504/IJSTRUCITE.2023.126792	https://doi.org/10.1504/IJSTRUCITE.2023.126792	10.1504/IJSTRUCITE.2023.126792
Parametric Optimization in Nd:YAG Laser Micro-drilling of Carbon Black/Epoxy Composite Utilizing GRA and Response Surface Methodology	L. Mishra, T. R. Mahapatra, S. R. Parimanik, S. Dash, D. Mishra	Production Engineering	Recent Advances in Materials and Manufacturing	2023	2195-4356	10.1007/978-981-99-2921-4_82	10.1007/978-981-99-2921-4_82	10.1007/978-981-99-2921-4_82

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Study on Effect of Process Parameters on AJM of Partially Biodegradable Hybrid Composite Using TOPSIS Approach	I. Rout, T. R. Mahapatra, A. K. Rout, D. Mishra, A. K. Rout	Production Engineering	Recent Advances in Materials and Manufacturing	2023	2195-4356	10.1007/978-981-99-2921-4_32	10.1007/978-981-99-2921-4_32	10.1007/978-981-99-2921-4_32
Design and Characterization of Progressive Coil Spring for Suspension Systems	D. K. Sahu, J. Dandena, T. R. Mahapatra, and D. Mishra	Production Engineering	Journal of The Institution of Engineers (India): Se	2022	2250-0545	http://dx.doi.org/10.1007/s40032-022-00817-9	http://dx.doi.org/10.1007/s40032-022-00817-9	10.1007/s40032-022-00817-9
Abrasive Jet Machining of Incense Stick Ash Filled Luffa-Human Hair Based Sustainable Bio-composite Using Taguchi Based GRA	I. Rout, T. R. Mahapatra, and D. Mishra	Production Engineering	Journal of Natural Fibers	2022	1544-0478	https://doi.org/10.1080/15440478.2022.2069631	https://doi.org/10.1080/15440478.2022.2069631	10.1080/15440478.2022.2069631
Dry Sliding Wear Behaviour Of Carbonated Fly Ash Filled Composite	I. Rout, D. T. R. Mahapatra, D. S. Sahoo, and D. D. Mishra	Production Engineering	Latin American Applied Research - An internatio	2022	0327-0793	https://doi.org/10.52292/j.laar.2022.880	https://doi.org/10.52292/j.laar.2022.880	10.52292/j.laar.2022.880
Performance Evaluation and Sustainability Assessment in Laser Micro-drilling of Carbon Nanotube-Reinforced Polymer Matrix Composite Using MOORA and Whale Optimization Algorithm	L. Mishra, T. R. Mahapatra, and D. Mishra	Production Engineering	Process Integration and Optimization for Sustaina	2022	2509-4238	Process Integration and Optimization for Sustainability Home (springer.com)	https://doi.org/10.1007/s41660-022-00234-6	10.1007/s41660-022-00234-6
Machinability Analysis and Multiple Performance Optimization During Laser Micro-drilling of CNT Reinforced Polymer Nanocomposite	L. Mishra, T. R. Mahapatra, D. Mishra, and S. K. Pattanaik	Production Engineering	Lasers in Manufacturing and Materials Processing	2022	2196-7229	Lasers in Manufacturing and Materials Processing Home (springer.com)	https://doi.org/10.1007/s40516-022-00171-9	10.1007/s40516-022-00171-9
Machinability assessment of NiTiInol shape memory alloy in electrochemical machining	B. Das, S. R. Parimanik, T. R. Mahapatra, and D. Mishra	Production Engineering	International Journal of Machining and Machinab	2022	1748-5711	International Journal of Machining and Machinability of Materials (IJMMM). Inderscience Publishers - linking academia, business and industry through research	https://doi.org/10.1504/IJMMM.2022.125200	10.1504/IJMMM.2022.125200
Artificial intelligence techniques for fault assessment in laminated composite structure: a review	S. Patro, T. R. Mahapatra, S. Dash, V. K. Murty	Production Engineering	E3S Web of Conferences	2021	2267-1242	E3S Web of Conferences (e3s-conferences.org)	https://doi.org/10.1051/e3sconf/202130901083	10.1051/e3sconf/202130901083
Computational intelligence-based prediction of joint penetration in laser fabrication	S Jaypuria, TR Mahapatra, S Sahoo, O Jaypuria	Production Engineering	Materials Today: Proceedings	2021	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2020.10.325	10.1016/j.matpr.2020.10.325
Constraints in Journey of Graphene from Laboratory to Life	Sahoo, S., Mahapatra, T.R., Jena, H	Production Engineering	Lecture Notes in Civil Engineering	2021	2366-2557	Lecture Notes in Civil Engineering Book series home (springer.com)	http://dx.doi.org/10.1007/978-981-15-4577-1_59	10.1007/978-981-15-4577-1_59
Tribological and electrochemical corrosion performance analysis of Hastelloy C276 under different loading conditions	B Dansana, TR Mahapatra, P Sahu, SK Sahu	Production Engineering	Materials Today: Proceedings	2020	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2020.04.462	10.1016/j.matpr.2020.04.462

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Vibroacoustic analysis of un-baffled layered composite plate under thermal environment	S Agarwal, B Dash, P Saini, N Sharma, TR Mahapatra, SK Panda	Production Engineering	Materials Today: Proceedings	2020	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2020.04.415	10.1016/j.matpr.2020.04.415
Influence of water binder ratio on strength and acid resistance of concrete made up of mineral admixture as supplementary cementitious material	S Sahoo, TR Mahapatra, N Priyadarshini, S Mahapatra, S Naik	Production Engineering	Materials Today: Proceedings	2020	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2020.01.028	10.1016/j.matpr.2020.01.028
Effect of arc length trim and adaptive pulsed-MIG process parameters on bead profile of stainless steel with synergic power source	S Jaypuria, TR Mahapatra, S Sahoo, O Jaypuria	Production Engineering	Materials Today: Proceedings	2020	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2020.01.027	10.1016/j.matpr.2020.01.027
Fuzzy C-means Clustering-Based ANFIS Regression Modeling of Hybrid Laser-TIG Fabrication	Jaypuria, S., Mahapatra, T.R., Tripathy, S., Nakhale, S., Gupta, S.K.	Production Engineering	Lecture Notes in Mechanical Engineering	2020	2195-4356	Lecture Notes in Mechanical Engineering Book series home (springer.com)	http://dx.doi.org/10.1007/978-981-15-1307-7_70	10.1007/978-981-15-1307-7_70
Thermo-elastic free vibration analysis of functionally graded flat panel with temperature gradient along thickness	Ranjan, S., Khan, R., Dash, S., Mahapatra, T.R., Panda, S. K.	Production Engineering	IOP Conference Series: Materials Science and En	2019	1757-8981	IOP Conference Series: Materials Science and Engineering - IOPscience	https://doi.org/10.1088/1757-899X/577/1/012123	10.1088/1757-899X/577/1/012123
Large-deformation bending responses of nanotube-reinforced polymer composite panel structure- numerical and experimental analysis	Mehar, K., Panda, S. K., Mahapatra, T. R.	Production Engineering	Proceedings of the Institution of Mechanical Engi	2019	0954-4100	Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering: Sage Journals (sagepub.com)	https://doi.org/10.1177/0954410018761192	10.1177/0954410018761192
Numerical and Experimental Nonlinear Dynamic Response Reduction of Smart Composite Curved Structure using Collocation and Non-collocation Configuration	Singh, V. K., Hirwani, C. K., Panda, S. K., Mahapatra, T. R. and Mehar, K.	Production Engineering	Proceedings of the Institution of Mechanical Engi	2019	0954-4062	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science: Sage Journals (sagepub.com)	https://doi.org/10.1177/0954406218774362	10.1177/0954406218774362
Metaheuristic tuned ANFIS model for input-output modeling of friction stir welding	S Jaypuria, TR Mahapatra, O Jaypuria	Production Engineering	Materials Today: Proceedings	2019	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2019.07.332	10.1016/j.matpr.2019.07.332
Machinability of Metal Matrix Composites: A Review	M Das, D Mishra, TR Mahapatra	Production Engineering	Materials Today: Proceedings	2019	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2019.07.564	10.1016/j.matpr.2019.07.564
Development of activated flux for deep penetration in GTAW	S Jaypuria, S Khandai, TR Mahapatra, A Singh	Production Engineering	Materials Today: Proceedings	2019	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2019.07.456	10.1016/j.matpr.2019.07.456
A concise review on machinability of NiTi shape memory alloys	B Dash, M Das, M Das, TR Mahapatra, D Mishra	Production Engineering	Materials Today: Proceedings	2019	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2019.07.511	10.1016/j.matpr.2019.07.511

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Numerical analysis of acoustic radiation properties of laminated composite flat panel in thermal environment: A higher-order finite-boundary element approach	Sharma, N., Mahapatra, T. R., Panda, S. K.	Production Engineering	Proceedings of the Institution of Mechanical Engi	2018	0954-4062	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science: Sage Journals. (sagepub.com)	https://doi.org/10.1177/0954406217735866	10.1177/0954406217735866
Acoustic radiation characteristics of un-baffled laminated composite conical shell panels	Sharma, N., Mahapatra, T. R. and Panda, S. K., Mazumdar, A.	Production Engineering	Materials Today: Proceedings	2018	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2018.10.234	10.1016/j.matpr.2018.10.234
ANN Modeling to study strength loss of Fly Ash Concrete against Long term Sulphate Attack	Sahoo, S., Mahapatra, T. R.	Production Engineering	Materials Today: Proceedings	2018	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2018.10.257	10.1016/j.matpr.2018.10.257
Tensile and Failure Behavior of Kevlar Fiber Reinforced Epoxy Matrix Composite Exposed to Different Environmental Conditions	Behera, A., Behera, R. K., Sahu, P., Swain, R. R., Mahapatra, T.R.	Production Engineering	Materials Today: Proceedings	2018	2214-7853	Materials Today: Proceedings Journal ScienceDirect.com by Elsevier	https://doi.org/10.1016/j.matpr.2018.06.396	10.1016/j.matpr.2018.06.396
Flexural Strength of Functionally Graded Nanotube Reinforced Sandwich Spherical Panel	Mahapatra, T. R., Mehar, K., Panda, S. K., Dewangan, S. and Dash, S.	Production Engineering	IOP Conference Series: Materials Science and En	2017	1757-8981	IOP Conference Series: Materials Science and Engineering - IOPscience	http://dx.doi.org/10.1088/1757-899X/178/1/012031	10.1088/1757-899X/178/1/012031
Nonlinear Finite Element Solution of Post-buckling Responses of FGM Panel Structure under Elevated Thermal Load and TD and TID Properties	Panda, S. K., Mahapatra, T. R. and Kar, V. R.	Production Engineering	MATEC Web of Conferences	2017	2261-236X	MATEC Web of Conferences (matec-conferences.org)	https://doi.org/10.1051/mateconf/201710905005	10.1051/mateconf/201710905005
Hygrothermal effects on the flexural strength of laminated composite cylindrical panels	Mahapatra, T. R. and Panda, S. K.	Production Engineering	IOP Conference Series: Materials Science and En	2016	1757-8981	IOP Conference Series: Materials Science and Engineering - IOPscience	10.1088/1757-899X/115/1/012040	10.1088/1757-899X/115/1/012040
Effect of hygrothermal environment on the nonlinear free vibration responses of laminated composite plates: A nonlinear finite element micromechanical approach	Mahapatra, T. R., Panda, S. K. and Dash, S.	Production Engineering	IOP Conference Series: Materials Science and En	2016	1757-8981	IOP Conference Series: Materials Science and Engineering - IOPscience	10.1088/1757-899X/149/1/012151	10.1088/1757-899X/149/1/012151
Nonlinear free vibration analysis of laminated composite doubly curved shell panel in hygrothermal environment	Mahapatra, T. R., Kar, V. R., and Panda, S. K.	Production Engineering	Journal of Sandwich Structures and Materials	2015	1099-6362	Journal of Sandwich Structures & Materials: Sage Journals (sagepub.com)	https://doi.org/10.1177/1099636215577363	10.1177/1099636215577363
Thermoelastic vibration analysis of laminated doubly curved shallow panels using non-linear FEM	Mahapatra, T. R. and Panda, S. K.	Production Engineering	Journal of Thermal Stresses	2015	0149-5739	Journal of Thermal Stresses Taylor & Francis Online. (tandfonline.com)	https://doi.org/10.1080/01495739.2014.976125	10.1080/01495739.2014.976125
Nonlinear flexural analysis of laminated composite flat panel under hygro-thermo-mechanical loading	Kar, V. R., Mahapatra, T. R., and Panda, S. K.	Production Engineering	Steel and Composite Structures An International J	2015	1229-9367	Techno Press. (techno-press.org)	http://dx.doi.org/10.12989/scs.2015.19.4.1011	10.12989/scs.2015.19.4.1011

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Effects of hygrothermal conditions on free vibration behaviour of laminated composite structures	Mahapatra, T. R. and Panda, S. K.	Production Engineering	IOP Conference Series: Materials Science and En	2015	1757-8981	IOP Conference Series: Materials Science and Engineering - IOPscience	10.1088/1757-899X/75/1/012017	
Nonlinear Finite Element Analysis of Laminated Composite Spherical Shell Vibration under Uniform Thermal Loading	Panda, S. K., and Mahapatra, T. R.	Production Engineering	Meccanica	2014	0025-6455	Meccanica Home (springer.com)	https://doi.org/10.1007/s11012-013-9785-9	10.1007/s11012-013-9785-9
Dynamic response of a laminated hybrid composite cantilever beam with multiple cracks & moving mass	Saritprava Sahoo, Sarada Prasad Parida, Pankaj Charan Jena	Production Engineering	Structural Engineering and Mechanics: An Intern	2023	1598-6217	http://www.techonpress.org/?journal=sem	https://doi.org/10.12989/sem.2023.87.6.529	
Effect of lamina orientation, crack severity, and fillers on dynamic parameters of hybrid composite cantilever beam with double transverse cracks,	Saritprava Sahoo, Pankaj Charan Jena	Production Engineering	Materialwissenschaft und Werkstofftechnik	2023	1521-4052	https://onlinelibrary.wiley.com/doi/abs/10.1002/mawe.202200205		10.1002/mawe.202200205
A review on Borassus flabellifer lignocellulose fiber reinforced polymer composites	Jitesh Kumar Singh, Arun Kumar Rout, Kanchan Kumari	Production Engineering	Carbohydrate Polymer	2021	1879-1344	https://www.sciencedirect.com/journal/carbohydrate-polymers/about/insights#abstracting-and-indexing		https://www.sciencedirect.com/science/article/pii/S0144861721003167
Probing dimensional consistency during multi-track multi-layer gas metal arc directed energy deposition of aluminium alloys	P. K. Chaurasia, B. K. Barik, A. Das, S.-F. Goecke & A. De	Production Engineering	Welding in the World	2024	0043-2288	https://link.springer.com/journal/40194		10.1007/s40194-024-01685-w
Studies on metallurgical and corrosion characteristics of dissimilar GTAW welding of alloy 800 and SS316L using multicomponent activated flux	Nilakantha Sahu, Birendra Ku. Barik, Subhadra Sahoo, Sushant Ku. Badjena, Santosh Ku. Sahoo	Production Engineering	Materials Today: Proceedings	2021	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings		10.1016/j.matpr.2020.12.607
Manufacturing Paradigms and Evolution	B. K. Barik, N. Sahu, A. Ekka, P. Ekka, S. Padhan, L. Mishra, G. Behera, R. Chabra & L. Swain	Production Engineering	Lecture Notes in Mechanical Engineering	2021	2195-4356	Lecture Notes in Mechanical Engineering Book series home (springer.com)		10.1007/978-981-33-4795-3_64
Effective signal to intrinsic interference plus noise ratio analysis of affine precoded FBMC system	Radhashyam Patra, Arunanshu Mahapatro, Kwonhue Choi	ETC Engineering	IET Electronics Letters		1350-911X	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/ell2.12461	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/ell2.12461	Yes
NLOS identification and mitigation in UWB positioning with bagging-based ensemble classifiers	V Rayavarapu, Arunanshu Mahapatro	ETC Engineering	Annals of Telecommunications		1958-9395	https://www.springer.com/journal/12243	https://link.springer.com/article/10.1007/s12243-021-00884-6	Yes
Role-based Channel Hopping algorithm for a Cognitive Radio Network in Asynchronous Environment	Sangeeta Sa and Arunanshu Mahapatro	ETC Engineering	Wireless Personal Communications		1572-834X	https://www.springer.com/journal/11277	https://www.springer.com/journal/11277	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years								
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years								
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Receiver design for CDMA-FBMC/OQAM systems	Radhashyam Patra, Arunanshu Mahapatro, Amaresh Kumar Sahu	ETC Engineering	IET Electronics Letters		1350-911X	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/el.2020.0524	https://digital-library.theiet.org/content/journals/10.1049/el.2020.0524	Yes
Outlier Detection Using Convolutional Neural Network for Wireless Sensor Network	Biswaranjan Sarangi, Arunanshu Mahapatro, Biswajit Tripathy	ETC Engineering	International Journal of Business Data Communications and Network		1548-0631	https://www.igi-global.com/journal/international-journal-business-data-communications/1087	https://www.igi-global.com/article/outlier-detection-using-convolutional-neural-network-for-wireless-sensor-network/286705	Yes
Optimal breast cancer classification using Gauss-Newton representation based algorithm	L Dora, S Agrawal, R Panda, A Abraham	ETC Engineering	Expert Systems with Applications		0957-4174	https://www.journals.elsevier.com/expert-systems-with-applications	https://doi.org/10.1016/j.eswa.2017.05.035	Yes
State-of-the-art methods for brain tissue segmentation: A review	L Dora, S Agrawal, R Panda, A Abraham	ETC Engineering	IEEE reviews in biomedical engineering		1941-1189	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4664312	https://ieeexplore.ieee.org/document/7948739	Yes
An evolutionary single Gabor kernel based filter approach to face recognition	L Dora, S Agrawal, R Panda, A Abraham	ETC Engineering	Engineering Applications of Artificial Intelligence		0952-1976	https://www.journals.elsevier.com/engineering-applications-of-artificial-intelligence	https://www.sciencedirect.com/science/article/abs/pii/S0952197617300751	Yes
An evolutionary gray gradient algorithm for multilevel thresholding of brain MR images using soft computing techniques	R Panda, S Agrawal, L Samantaray, A Abraham	ETC Engineering	Applied Soft Computing		1568-4946	https://www.journals.elsevier.com/applied-soft-computing	https://www.sciencedirect.com/science/article/abs/pii/S1568494616305804	Yes
A novel evolutionary rigid body docking algorithm for medical image registration	R Panda, S Agrawal, M Sahoo, R Nayak	ETC Engineering	Swarm and Evolutionary Computation		2210-6502	https://www.journals.elsevier.com/swarm-and-evolutionary-computation	https://doi.org/10.1016/j.swevo.2016.11.002	Yes
A novel automated absolute intensity difference based technique for optimal MR brain image thresholding	S Agrawal, R Panda, L Samantaray, A Abraham	ETC Engineering	Journal of King Saud University-Computer and Information Sciences		1319-1578	https://www.journals.elsevier.com/journal-of-king-saud-university-computer-and-information-sciences	https://doi.org/10.1016/j.jksuci.2017.12.011	Yes
A novel diagonal class entropy-based multilevel image thresholding using coral reef optimization	S Agrawal, R Panda, A Abraham	ETC Engineering	IEEE Transactions on Systems, Man, and Cybernetics: Systems		2168-2232	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6221021	https://ieeexplore.ieee.org/document/8434270	Yes
Nested cross-validation based adaptive sparse representation algorithm and its application to pathological brain classification	L Dora, S Agrawal, R Panda, A Abraham	ETC Engineering	Expert Systems with Applications		0957-4174	https://www.journals.elsevier.com/expert-systems-with-applications	https://doi.org/10.1016/j.eswa.2018.07.039	Yes
A survey on region based image fusion methods	B Meher, S Agrawal, R Panda, A Abraham	ETC Engineering	Information Fusion		1566-2535	https://www.sciencedirect.com/journal/information-fusion	https://doi.org/10.1016/j.inffus.2018.07.010	Yes
A novel joint histogram equalization based image contrast enhancement	S Agrawal, R Panda, PK Mishro, A Abraham	ETC Engineering	Journal of King Saud University-Computer and Information Sciences		1319-1578	https://www.journals.elsevier.com/journal-of-king-saud-university-computer-and-information-sciences	https://doi.org/10.1016/j.jksuci.2019.05.010	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years								
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years								
Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A New Hybrid Multifocus Image Fusion Model Using Single Optimum Gabor Filter	S Agrawal, R Panda, S Kumari, L Dora, A Abraham	ETC Engineering	Revue d'Intelligence Artificielle		1958-5748	http://www.iieta.org/Journals/RIA	https://doi.org/10.18280/ria.330205	Yes
A novel type-2 fuzzy C-means clustering for brain MR image segmentation	PK Mishro, S Agrawal, R Panda, A Abraham	ETC Engineering	IEEE Transactions on Cybernetics		2168-2275	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6221036	https://ieeexplore.ieee.org/document/9122459	Yes
State-of-the Art Optimal Multilevel Thresholding Methods for Brain MR Image Analysis	A Das, S Agrawal, L Samantaray, R Panda, A Abraham	ETC Engineering	Revue d' Intelligence Artificielle		1958-5748	http://www.iieta.org/Journals/RIA	https://doi.org/10.18280/ria.340302	Yes
Novel fuzzy clustering-based bias field correction technique for brain magnetic resonance images	PK Mishro, S Agrawal, R Panda, A Abraham	ETC Engineering	IET Image Processing		1751-9659	https://digital-library.theiet.org/content/journals/iet-ipr	https://doi.org/10.1049/iet-ipr.2019.0942	Yes
A novel region-based multimodal image fusion technique using improved dictionary learning	B Meher, S Agrawal, R Panda, L Dora, A Abraham	ETC Engineering	International Journal of Imaging Systems and Technology		1098-1098	https://onlinelibrary.wiley.com/journal/10981098	https://doi.org/10.1002/ima.22395	Yes
A novel evolutionary row class entropy based optimal multi-level thresholding technique for brain MR images	R Panda, L Samantaray, A Das, S Agrawal, A Abraham	ETC Engineering	Expert Systems with Applications		0957-4174	https://www.journals.elsevier.com/expert-systems-with-applications	https://doi.org/10.1016/j.eswa.2020.114426	Yes
A Survey on State-of-the-art Denoising Techniques for Brain Magnetic Resonance Images	PK Mishro, S Agrawal, R Panda, A Abraham	ETC Engineering	IEEE reviews in biomedical engineering		1941-1189	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4664312	https://pubmed.ncbi.nlm.nih.gov/33513109/	Yes
Fast signed multiplier using Vedic Nikhila algorithm.	Sahu, S. R., Bhoi, B. K., & Pradhan, M.	ETC Engineering	IET Circuits, Devices & Systems	2020				Yes
Synthesis and simulation study of non-restoring cell architecture layout in perpendicular nano-magnetic logic	Bhoi, B. K., Misra, N. K., & Pradhan, M.	ETC Engineering	Journal of Computational Electronics	2020		https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/iet-cds.2019.0537		Yes
Square root formulae in the Sulbasūtras and Bakhshālī manuscript	Gadtiā, S., Padhan, S. K., & Bhoi, B. K	ETC Engineering	Journal of Interdisciplinary Mathematics	2020		https://doi.org/10.1007/s10825-019-01432-1		Yes
A modular approach for testable conservative reversible multiplexer circuit for nano-electronic confine application	Pathak, N., Kumar, S., Misra, N. K., & Bhoi, B. K	ETC Engineering	International Nano Letters	2019		https://link.springer.com/article/10.1007/s40089-019-00283-9		Yes
An efficient redundant binary adder with revised computational rules	Barik, R. K., Bhoi, B. K., & Pradhan, M.	ETC Engineering	Computers & Electrical Engineering	2018		https://www.sciencedirect.com/science/article/abs/pii/S0045790617335231		Yes
Design of magnetic dipole based 3D integration nano-circuits for future electronics application	Bhoi, B. K., Misra, N. K., & Pradhan, M.	ETC Engineering	International Journal of Nano Dimension	2018		http://www.iaujournals.ir/article_660470.html		Yes
Design and evaluation of an efficient parity-preserving reversible QCA gate with online testability	Bhoi, B.K., Misra, N. K., & Pradhan, M	ETC Engineering	Cogent Engineering	2017		https://www.tandfonline.com/doi/full/10.1080/23311916.2017.1416888		Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Testable novel parity-preserving reversible gate and low-cost quantum decoder design in 1D molecular-QCA	Misra, N. K., Sen, B., Wairya, S., & Bhoi, B.K	ETC Engineering	Journal of Circuits, Systems and Computers	2017		https://www.worldscientific.com/doi/abs/10.1142/S0218126617501456	Yes		
Chebyshev Based Array for Beam-Steering and Null Positioning Using Modified Ant Lion Optimization	H Pradhan, B B Mangaraj, S K Behera	ETC Engineering	International Journal of Microwave and Wireless Technologies		1759-0787 (Print),	https://www.cambridge.org/core/journals/international-journal-of-microwave-and-wireless-technologies/article/abs/chebyshevbased-array-for-beam-steering-and-null-positioning-using-modified-ant-lion-optimization/8F2889026296665C07B839E10DFA1DDA1	Yes		
Improved Salp swarm optimization based circular arrays in presence of mutual coupling	H Pradhan, B B Mangaraj, S K Behera	ETC Engineering	International Journal of RF and Microwave Computer-Aided Engin		1099-047X	https://onlinelibrary.wiley.com/journal/1099047X	https://onlinelibrary.wiley.com/doi/abs/10.1002/mmce.22719	Yes	
Gain and Bandwidth Enhancement of X-band Compact Dielectric Resonator Antenna with Defected Ground Structure	R Sahu, H Pradhan, B B Mangaraj, S K Behera	ETC Engineering	IETE Journal of Research			https://doi.org/10.1080/03772063.2021.2021823	Yes		
On Microstrip Array Antenna with Enhanced Bandwidth and Gain Using Modified Antlion Optimization for X-band Application	H Pradhan, R Sahu, B B Mangaraj, S K Behera	ETC Engineering	IETE Journal of Research			https://doi.org/10.1080/03772063.2022.2055665	Yes		
Object Detection and Tracking using Watershed Segmentation and KLT Tracker	T.Nayak, N.Bhoi	ETC Engineering	Global journal of Computer Science and Technol	2020	0975-4172	https://computerresearch.org/index.php/computer/article/view/1946	https://computerresearch.org/index.php/computer/article/view/1946	Yes	
On the possibility of linear polarization in elliptical microstrip patch antenna	S.N. Mishra, D. Konhar, D. Mishra, R. K. Mishra	ETC Engineering	Microwave and Optical Technology Letters		1098-2760	https://doi.org/10.1002/mop.31700	https://doi.org/10.1002/mop.31700	Yes	
A High Gain Elliptical Slot Antenna for Lower C-band and X-band Application"	D.Konhar, A. Behera ,S.N. Mishra, D. Mishra,	ETC Engineering	Journal of King Saud University - Engineering Sciences		1018-3639	https://doi.org/10.1016/j.jksues.2020.08.002	https://doi.org/10.1016/j.jksues.2020.08.002	Yes	
A low profile circularly polarized monopole antenna for WPAN	D.Konhar, D. Mishra, S.N. Mishra,	ETC Engineering	International Journal of Engineering and Advanced Technology		2249-8958	E6985068519/©BEIESP	https://www.ijeat.org/wp-content/uploads/papers/v8i5/E6985068519.pdf	Yes	
Biconcave microstrip antenna	S.N. Mishra, D. Konhar, D. Mishra, R. K. Mishra	ETC Engineering	International Journal of Recent Technology and Engineering		2277-3878	A9230058119 /19/©BEIESP	https://www.ijrte.org/wp-content/uploads/papers/v8i1/A9230058119.pdf	Yes	
A perturbed circular monopoe antenna with circular polarization for ultrawideband applications	D. Konhar, D. Mishra	ETC Engineering	International journal of Engineering and technology		2319-8613	DOI: 10.21817/ijet/2017/v9i3/17090301030175	10.21817/ijet/2017/v9i3/1709030175	Yes	
Circularly polarized antenna design using Microstrip-to-CPW transition for ultra-wideband applications	D. Konhar, D. Mishra	ETC Engineering	Journal of Telecommunication, Electronic and Computer Engineering		2180 – 1843	https://core.ac.uk/download/229276794	https://journal.utm.edu.my/index.php/itec/article/view/156611898	Yes	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
A Fibonacci Series Motivated Circularly Polarized L-Band Slotted Antenna for GNSS Application	D. Konhar, Ananda Kumar Behera, Suvendu Narayan Mishra & Debasis Mishra	ETC Engineering	IETE Journal of Research,	2023		DOI: 10.1080/03772063.2023.2269120 https://www.tandfonline.com/doi/abs/10.1080/03772063.2023.2269120	yes	
Triple Band-reject Compact Sectoral Antenna Using T-, Y- and Inverted L-Shaped Strips	D. Konhar, Ananda Kumar Behera, Suvendu Narayan Mishra & Debasis Mishra	ETC Engineering	IETE Journal of Research,	2024		https://doi.org/10.1080/03772063.2024.2313041 https://www.tandfonline.com/doi/pdf/10.1080/03772063.2024.2313041	yes	
An Investigation of CPW-Fed Dual Rectangular Slot (DRS) Microstrip Patch For Wlan And 5G-NR Applications	J. P. Sethi, Ashish K. Sharma	ETC Engineering	Journal of Tianjin University Science and Techno	2022	1009-1014	https://tianjindaxue.xuebao.com/details.php?id=DOI:10.17605/OSF.IO/RNGHT	Yes	
Electrically Reconfigurable Microstrip patch Antennas for Space-based Applications: - A Review	M. K. Bonthu, Ashish K. Sharma	ETC Engineering	Sensor Letters, American Scientific Publishers	2020	1546-1971	http://www.aspbs.com/sensorlett/	Yes	
An Investigation of Dual-band Dual-square Ring (DSR) Based Microstrip Antenna for WiFi/WLAN and 5G-NR Wireless Applications	A. k. Sharma, B. R. Swain	ETC Engineering	Progress in Electromagnetic Research M (PIER M	2019	1937-8726	https://www.jpier.org/PIERM/	Yes	
An investigation of dielectric material selection of RF-MEMS switches using Ashby's methodology for RF applications	M. K. Bonthu, A. K. Sharma	ETC Engineering	Microsystem Technologies, Springer vol.24, pp.1	2018	1432-1858	https://www.springer.com/journal/542	Yes	
High Selectivity and Sharp roll-off Filtenna Array for Ku-band Application	Soumya Ranjan Mishra, B.C. Sahoo, Sheeja K. L.	ETC Engineering	International Journal of Electronics (TETN)	2021	0020-7217	https://doi.org/10.1080/00207217.2021.1941290	Yes	
Implementation of defected ground structure for microstrip filtenna design	Soumya Ranjan Mishra, Sheeja Kochuthundil Lalitha	ETC Engineering	International Journal of RF and Microwave Comp	2019	1099-047X	https://doi.org/10.1002/mmce.21998	Yes	
Filtennas for wireless application: A review	Soumya Ranjan Mishra, Sheeja Kochuthundil Lalitha	ETC Engineering	International Journal of RF and Microwave Comp	2019	1099-047X	https://doi.org/10.1002/mmce.21879	Yes	
Split Ring Resonator Inspired Microstrip Filtenna for Wireless Application	S. R. Mishra, Sheeja K. L. and N. P. Pathak	ETC Engineering	European Journal of Automated Systems, Vol. 50,	2017	ISSN No. 2377-1674	10.3166/jesa.20.391-403.	Yes	
DGS Inspired Microstrip Antenna Array for Improved Radiation Properties	S. R. Mishra and Sheeja K. L.	ETC Engineering	International Journal of Engineering and Techniq	2017	ISSN No. 2395-1303	IJET-V31I1P10	Yes	
Global path planning for multiple AUVs using GWO	M. Panda, B. Das, and B. B. Pati	ETC Engineering	Archives of Control Sciences	2020	2300-2611	https://journals.pan.pl/ACS-2020-1-4	Yes	
A Comprehensive Review of Path Planning Algorithms for Autonomous Underwater Vehicles	M. Panda, B. Das, B. Subudhi, and B. B. Pati	ETC Engineering	International Journal of Automation and Computi	2020		https://link.springer.com/	Yes	
Adaptive Fuzzy Sliding Mode Formation Controller for Autonomous Underwater Vehicles with Variable Payload	M. Panda, B. Das, B. Subudhi, and B. B. Pati	ETC Engineering	International Journal of Intelligent Unmanned Sys	2021	2049-6427	https://www.emerald.com/	Yes	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Least Cost Path Finding for Autonomous Underwater Vehicle in Terrain Rich Environment using Shuffled Frog Leaping Algorithm"	M. Panda	ETC Engineering	Journal of Huazhong University of Science and T	2022	1671-4512	http://hustjournal.com/vol502021july-2/	https://app.box.com/s/rjdlppi2t6dvudriut7o4470p70p8ygg	Yes
Efficient Beamformer for Low Mobility Indoor Communication Using Sparse Adaptive Algorithm	B. Mohanty, H.K.Sahoo	ETC Engineering	Springer Wireless Personal Communications		1572-834X	https://www.springer.com/journal/11277	https://doi.org/10.1007/s11277-020-07752-x	Yes
Wireless channel estimation and beamforming by using block sparse adaptive filtering	B. Mohanty, H.K.Sahoo, B. Patnaik	ETC Engineering	Springer Signal, Image and Video Processing		1863-1711	https://www.springer.com/journal/11760	https://doi.org/10.1007/s11760-020-01795-0	Yes
Conditional nearest regularized subspace classifiers: a fast classification approach for HSI	Ram Narayan Patro, Subhashree Subudhi, Pradyut Kumar Biswal, FabioDell'Acqua , Harish Kumar Sahoo	ETC Engineering	Taylor and Francis International Journal of Remote Sensing		1366-5901	https://www.tandfonline.com/doi/10.1080/01431161.2019.1629717	https://doi.org/10.1080/01431161.2019.1629717	SCI
Block NLMS/F Equalizer Design and Channel Capacity Analysis for Indoor IEEE 802.11 Fading Wireless Channels	B.Mohanty,Harish K. Sahoo, and B.Patnaik	ETC Engineering	Springer Signal, Image and Video Processing		1863-1711	https://www.springer.com/journal/11760	https://doi.org/10.1007/s11760-018-1398-2	SCI
Block and Fast Block Sparse Adaptive Filtering for Outdoor Wireless Channel Estimation and Equalization	Harish K. Sahoo, B.Mohanty and B.Patnaik	ETC Engineering	Springer Wireless Personal Communications		1572-834X	https://www.springer.com/journal/11277	https://doi.org/10.1007/s11277-017-5013-6	SCI
Harmonics and Decaying DC Estimation Using Volterra LMS/F Algorithm	U.Subudhi , Harish K. Sahoo and Sajeev K. Mishra	ETC Engineering	IEEE Transactions on Industry Applications		1939-9367	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=28	DOI: 10.1109/TIA.2017.2780038	SCI
Tracking of power quality disturbances using sparse model-based extended Kalman filters	U.Subudhi , Harish K. Sahoo and Sajeev K. Mishra	ETC Engineering	Wiley International Journal of Adaptive Control and Signal Process		1099-1115	https://onlinelibrary.wiley.com/journal/10991115	https://doi.org/10.1002/acs.2925	SCI
Efficient Design of Bi-circular Patch Antenna for 5G Communication with Mathematical Calculations for Resonant Frequencies	Panda, R.A., Mishra, D	ETC Engineering	Wireless Personal Communications		1572-834X	https://www.springer.com/journal/11277	https://doi.org/10.1007/s11277-020-07069-9	Yes
High Gain V-Antenna Array for 60 GHz WiGig Network	Panda, R.A., Mishra, D	ETC Engineering	International Journal of Sensors, Wireless Communications and Co		22103279	https://benthamscience.com/journals/international-journal-of-sensors-wireless-communications-and-control/	https://doi.org/10.2174/221032790966619120115641	Yes
Log Periodic Enactment of a Novel Patch with square DGS for Ku-Band application	Panda, R.A., Mishra, D	ETC Engineering	Journal of King Saud University -Engineering Sciences		1018-3639	https://www.sciencedirect.com/journal/journal-of-king-saud-university-engineering-sciences	https://doi.org/10.1016/j.jksues.2021.03.015	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Receiver design for CDMA-FBMC/OQAM systems	Patra R., Mahapatro A., Sahu A.K.	ETC Engineering	IET Electronics Letter		1350-911X	https://digital-library.theiet.org/content/journals/10.1049/el.2020.0524	https://digital-library.theiet.org/content/journals/10.1049/el.2020.0524	Yes
Channel estimation strategies for underwater acoustic (UWA) communication: An overview	Md Rizwan Khan, Bikramaditya Das, Bibhuti Bhusan Pati	ETC Engineering	Journal of the Franklin Institute	2020	0016-0032	https://www.sciencedirect.com/science/article/abs/pii/S0016003220302325	https://doi.org/10.1016/j.jfranklin.2020.04.002	Yes
Formation control of underwater vehicles using Multi Agent System	Bikramaditya Das, Bidyadhar Subudhi, Bibhuti Bhusan Pati	ETC Engineering	Archives of Control Sciences	2020	2300-2611	http://www.acs.polsl.pl/	10.24425/acs.2020.133503	Yes
Co-operative control of a team of autonomous underwater vehicles in an obstacle-rich environment	Bikramaditya Das, Bidyadhar Subudhi & Bibhuti Bhusan Pati	ETC Engineering	Journal of Marine Engineering & Technology	2016	2046-4177	https://www.tandfonline.com/doi/pdf/10.1080/20464177.2016.1247636	https://doi.org/10.1080/20464177.2016.1247636	Yes
Co-operative Formation Control of Autonomous Underwater Vehicles: An Overview	Bikramaditya Das, Bidyadhar Subudhi & Bibhuti Bhusan Pati	ETC Engineering	International Journal of Automation and computing	2016	1751-8520	https://link.springer.com/article/10.1007/s11633-016-1004-4	https://doi.org/10.1007/s11633-016-1004-4	Yes
Employing nonlinear observer for formation control of AUVs under communication constraints	Bikramaditya Das, Bidyadhar Subudhi & Bibhuti Bhusan Pati	ETC Engineering	International Journal of Intelligent Unmanned Sys	2015	2049-6427	https://www.emerald.com/insight/content/doi/10.1108/IJUIS-04-2015-0004/full/html	https://doi.org/10.1108/IJUIS-04-2015-0004	Yes
A Fibonacci series-inspired-elliptically-slotted CPW fed UWB patch antenna with Ku band-reject characteristics	Ananda Kumar Behera, Diptimayee Konhar, Debasis Mishra, Suvendu Narayan Mishra	ETC Engineering	Microwave and Optical Technol Letter		1098-2760	https://onlinelibrary.wiley.com/doi/abs/10.1002/mop.32973	https://doi.org/10.1002/mop.32973	Yes
Co-operative control coordination of a team of underwater vehicles with communication constraints	Bikramaditya Das, Bidyadhar Subudhi & Bibhuti Bhusan Pati	ETC Engineering	Transactions of the Institute of Measurement and	2016		https://journals.sagepub.com/doi/abs/10.1177/0142331215590010	https://doi.org/10.1177/0142331215590010	Yes
Adaptive sliding mode formation control of multiple underwater robots	Bikramaditya Das, Bidyadhar Subudhi & Bibhuti Bhusan Pati	ETC Engineering	Archives of Control Sciences	2014	2300-2611	http://www.acs.polsl.pl/	http://dx.doi.org/10.2478/acsc-2014-0028	Yes
Mammogram mass segmentation and detection using Legendre neural network-based optimal threshold	S.Sarangi, Harish K. Sahoo, N.P.Rath	ETC Engineering	Medical and Biological Engineering and Comput	2021	1741-0444	springer.com/journal/11517	https://doi.org/10.1007/s11517-021-02348-4	SCI
2-D Gabor filter based transition region extraction and morphological operation for image segmentation	Priyadarsan Parida, Nilamani Bhoi	ETC Engineering	Computers & Electrical Engineering	2017	0045-7906	https://www.sciencedirect.com/journal/computers-and-electrical-engineering	https://doi.org/10.1016/j.compeleceng.2016.10.019	Yes
Fuzzy clustering based transition region extraction for image segmentation	Priyadarsan Parida, Nilamani Bhoi	ETC Engineering	Engineering Science and Technology, an Internati	2018	2215-0986	https://www.sciencedirect.com/journal/engineering-science-and-technology-an-international-journal	https://doi.org/10.1016/j.jestch.2018.05.012	Yes
An Unsupervised Approach for Extraction of Blood Vessels from Fundus Images	Jyotiprava Dash, Nilamani Bhoi	ETC Engineering	Journal of Digital Imaging	2018	0897-1889	https://www.springer.com/journal/10278	https://doi.org/10.1007/s10278-018-0059-x	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Retinal Blood Vessel Extraction From Fundus Images Using Improved Otsu Method	Jyotiprava Dash, Nilamani Bhoi	ETC Engineering	International Journal of E-Health and Medical Co	2019	1947 - 3168	https://www.igi-global.com/journal/international-journal-health-medical-communications/1158	DOI: 10.4018/IJEHMC.2019040102	Yes
Genomic signal processing of microarrays for cancer gene expression and identification using cluster-fuzzy adaptive networking	Purnendu Mishra, Nilamani Bhoi	ETC Engineering	Soft Computing	2020	1432 – 7643	https://www.springer.com/journal/500	https://doi.org/10.1007/s00500-020-05068-3	Yes
Cancer gene recognition from microarray data with manta ray based enhanced ANFIS technique	Purnendu Mishra, Nilamani Bhoi	ETC Engineering	Biocybernetics and Biomedical Engineering	2021	0208 – 5216	https://www.sciencedirect.com/journal/biocybernetics-and-biomedical-engineering	https://doi.org/10.1016/j.bbe.2021.06.004	Yes
A high gain and low noise CMOS Gilbert mixer with improved linearity based on MGTR and switched biasing technique	S.S.Rout, Kabiraj Sethi	ETC Engineering	ICTACT Journal on Microelectronics		2395-1680	http://ictactjournals.in	DOI:10.21917/IJME.2017.0054	Yes
A High Gain, Low Power and Low Noise Down Conversion Mixer using 0.18 μm CMOS Process	S.S.Rout, Kabiraj Sethi	ETC Engineering	AMSE JOURNALS-IIETA		1259-5985	https://www.ijeta.org/Journals/MMC_A	https://www.researchgate.net/publication/324123297	Yes
A Low Phase Noise gm Boosted DTMOS VCO Design in 180nm CMOS Technology	S.S.Rout, S. Acharya, Kabiraj Sethi	ETC Engineering	Karbala International Journal of Modern Science		2405-609X	https://www.sciencedirect.com/journal/karbala-international-journal-of-modern-science	https://doi.org/10.1016/j.kijoms.2018.03.001	Yes
Design of Cascode Mixer Based on Bulk Injection and Switched Biased Techniques in 180nm CMOS Process for a High-Performance Receiver Front End	S.S. Rout, S. K. Mohapatra and Kabiraj Sethi	ETC Engineering	Journal of Low Power Electronics (JOLPE)		1546-1998	http://aspbs.com/jolpe.html	https://doi.org/10.1166/jolpe.2018.1527	Yes
DTMOS based Gilbert mixer design for MICS receiver using current source helpers and switched biasing technique	S.S.Rout, Kabiraj Sethi	ETC Engineering	Sādhanā, Indian Academy of Sciences		0256-2499	https://www.springer.com/journal/12046	https://doi.org/10.1007/s12046-019-1236-4	Yes
An efficient approach for detecting vowel onset and offset points in speech signal	Sarmila Garnaik, Avinash Kumar, Gayadhar Pradhan & Kabiraj Sethi	ETC Engineering	International Journal of Speech Technology		1381-2416	https://www.springer.com/journal/10772	https://doi.org/10.1007/s10772-020-09714-x	Yes
Bacteria Foraging Algorithm in Antenna Design	B. B. Mangaraj, M. R. Jena, and S. K. Mohanty	ETC Engineering	Applied Computational Intelligence and Soft Computing		1687-9724	https://www.hindawi.com/journals/acise/about/	https://doi.org/10.1155/2016/5983469	Yes
Optimal Design and Comparative Study of Circular Patch Antennas Using Different Feeds for WLAN and WiMAX Applications	A. B. Sahoo, G. P. Mishra, M. R. Jena, and B. B. Mangaraj	ETC Engineering	International Journal on Communications Antenna and Propagation		2039-5086	https://www.praiseworthyprize.org/jsm/index.php?journal=irecap	https://doi.org/10.15866/irecap.v6i3.9678	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Performance evaluation of two popular antennas designed using a Bacteria Foraging Algorithm	B. B. Mangaraj, S. K. Mohanty, and S. Hota	ETC Engineering	Engineering Science and Technology, an International Journal		2215-0986	https://www.journals.elsevier.com/engineering-science-and-technology-an-international-journal	https://doi.org/10.1016/j.jestch.2016.08.022	Yes
Optimal dipole planar antenna array design for different UHF band applications using cuckoo search algorithm	H. Pradhan, B. B. Mangaraj, and I. S. Misra	ETC Engineering	International Journal of Swarm Intelligence		2049-405X	https://www.inderscience.com/jhome.php?jcode=ijsi	https://doi.org/10.1504/IJSI.2016.081146	Yes
An optimal LAA subsystem designed using Gravitational Search Algorithm	B. B. Mangaraj and Prativa Swain	ETC Engineering	Engineering Science and Technology, an International Journal		2215-0986	https://www.journals.elsevier.com/engineering-science-and-technology-an-international-journal	https://doi.org/10.1016/j.jestch.2017.01.002	Yes
Comparative Study of PSO and CS for Optimization of 3x5 Planar Antenna Array using MOM	S. K. Mohanty, A. B. Sahoo, and B. B. Mangaraj	ETC Engineering	International Journal of Information and Communication Technol		1466-6642	https://www.inderscience.com/jhome.php?jcode=ijict	https://doi.org/10.1504/IJICT.2017.085479	Yes
God's Sunflower Circular Array: an Improved Circular Array with better Maximum Sidelobe Level and First Null Beam Width Performance	S. K. Mohanty and B. B. Mangaraj	ETC Engineering	International Journal of Sensors, Wireless Communications and Co		2210-3279	https://benthamscience.com/journals/international-journal-of-sensors-wireless-communications-and-control/	https://doi.org/10.2174/2210327907666170621093801	Yes
Study of Sierpinski Fractal Antenna and Its Array with Different Patch Geometries for Short Wave Ka Band Wireless Applications	G. P. Mishra, M. S. Maharana, S. Modak, and B. B. Mangaraj	ETC Engineering	Procedia Computer Science		1877-0509	https://www.journals.elsevier.com/procedia-computer-science	https://doi.org/10.1016/j.procs.2017.09.085	Yes
Fuzzy logic biased optimal dipole-linear antenna array: An improved array with better trade-off between performance parameters	S. K. Mohanty, P. Swain, and B. B. Mangaraj	ETC Engineering	Progress in Electromagnetics Research B		1937-6472	https://www.jpier.org/pijrb/	https://doi.org/10.2528/PIERB17070402	Yes
An Optimal Design of Super-Directive Dipole Linear Antenna Array Using Gravitational Search Algorithm and Large Perfect Reflecting Surface	S. K. Mohanty and B. B. Mangaraj	ETC Engineering	Recent Advances in Electrical & Electronic Engineering		2352-0965	https://benthamscience.com/journals/recent-advances-in-electrical-and-electronic-engineering/	https://doi.org/10.2174/2352096511666180124152013	Yes
A Novel Dual Slot Circular Patch Antenna Design for Multi-band Applications	A. B. Sahoo, G. P. Mishra, and B. B. Mangaraj	ETC Engineering	Microwave Review		1450-5835	https://www.mtsrbia.org.rs/microwave_review	https://drive.google.com/drive/my-drive	Yes
A compact, ultrawide band planar antenna with modified circular patch and a defective ground plane for multiple applications	S. Hota, S. Baudha, B. B. Mangaraj, and M. V. Yadav	ETC Engineering	Microwave Optical Technology Letter		1098-2760	https://onlinelibrary.wiley.com/journal/10982760	https://doi.org/10.1002/mop.31867	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Direct and electromagnetically coupled compact microstrip antenna design with modified fractal DGS	G. P. Mishra, A. B. Sahoo, S. Hota, and B. B. Mangaraj	ETC Engineering	International Journal of RF and Microwave Computer-Aided Engin		1099-047X	https://onlinelibrary.wiley.com/journal/1099047x	https://doi.org/10.1002/mmce.21887	Yes	
Miniaturised microstrip patch design based on highly capacitive defected ground structure with fractal boundary for X-band microwave communications	G. P. Mishra and B. B. Mangaraj	ETC Engineering	IET Microwaves, Antennas & Propagation,		1751-8725	https://digital-library.theiet.org/content/journals/iet-map	https://doi.org/10.1049/iet-map.2018.5778	Yes	
Fractal Geometry and Its Application to Antenna Designs	M. R. Jena, G. P. Mishra, A. B. Sahoo, and B. B. Mangaraj	ETC Engineering	International Journal of Engineering and Advanced Technology		2249 – 8958	https://www.ijeat.org/	https://doi.org/10.35940/ijeat.A9793.109119	Yes	
Optimal Design of Compact Dual-band Slot Antenna Using Particle Swarm Optimization for WLAN and WiMAX Applications	A. B. Sahoo, G. P. Mishra, and B. B. Mangaraj	ETC Engineering	Recent Advances in Electrical & Electronic Engineering		2352-0965	https://benthamscience.com/journals/recent-advances-in-electrical-and-electronic-engineering/	https://doi.org/10.2174/2352096511666180706130127	Yes	
A novel compact planar antenna for ultra-wideband application	S. Hota, S. Baudha, B. B. Mangaraj, and M. V. Yadav	ETC Engineering	Journal of Electromagnetic Waves and Applications		0920-5071	https://www.tandfonline.com/toc/tewa20/current	https://doi.org/10.1080/09205071.2019.1689854	Yes	
Highly compact microstrip patch design based on improved capacitive Minkowski fractal defected ground structure	G. P. Mishra and B. B. Mangaraj	ETC Engineering	AEU - International Journal of Electronics and Communications		1434-8411	https://www.journals.elsevier.com/aeu-international-journal-of-electronics-and-communications	https://doi.org/10.1016/j.aeu.2019.153049	Yes	
A miniaturized electromagnetically coupled patch antenna design using eroded ground plane	A. B. Sahoo and B. B. Mangaraj	ETC Engineering	Microwave Optical Technology Letter		1098-2760	https://onlinelibrary.wiley.com/journal/10982760	https://doi.org/10.1002/mop.32480	Yes	
An Improved Compact Antenna Design Proposed for 5G Cellular Band	Rajiv Pathak, G. P. Mishra, B. B. Mangaraj, and Ashutosh Narayan	ETC Engineering	International Journal of Sensors, Wireless Communications and Co		2210-3279	https://benthamscience.com/journals/international-journal-of-sensors-wireless-communications-and-control/	https://doi.org/10.2174/2210327909666190710122946	Yes	
Miniaturised band notched printed LPDA design with meander fractal dipole for UWB communication	M. R. Jena, S. Sahoo, G. P. Mishra, and B. B. Mangaraj	ETC Engineering	International Journal of Electronics (Taylor & Francis)		0920-5071	https://www.tandfonline.com/toc/tetn20/current	https://doi.org/10.1080/00207217.2020.1756452	Yes	
Design and Performance Study of Single and Multi-Layered Fractal Based Miniaturized Patch Antennas for 2.4 GHz Applications	A. B. Sahoo, G. P. Mishra, and B. B. Mangaraj	ETC Engineering	Journal of Microwaves, Optoelectronics and Electromagnetic Appli		2179-1074	http://www.jmoe.org/index.php/jmoe	https://doi.org/10.1590/2179-10742021x20i21165	Yes	
Improved Salp Swarm Optimization Based Circular Arrays in Presence of Mutual Coupling	H. Pradhan, B. B. Mangaraj, and S. K. Behera	ETC Engineering	International Journal of RF and Microwave Computer-Aided Engin		1099-047X	https://onlinelibrary.wiley.com/journal/1099047x	https://doi.org/10.1002/mmce.22719	Yes	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Chebyshev-Based Array for Beam Steering and Null Positioning using Modified Ant Lion Optimization	H. Pradhan, B. B. Mangaraj, and S. K. Behera	ETC Engineering	International Journal of Microwave and Wireless Technologies		1759-0787	https://www.cambridge.org/core/journals/international-journal-of-microwave-and-wireless-technologies	https://doi.org/10.1017/S1759078721000295	Yes
Dual Feed Multiband Mpa Design with Circular Polarized Wave for 5G Cellular Communication	Rajiv Pathak, Biswa Mangaraj, Arun Kumar, and Sushil Kumar	ETC Engineering	Progress In Electromagnetics Research B		1937-6472	https://www.jpier.org/pjier/	https://doi.org/10.2528/PIERB210526022	Yes
Gain and Bandwidth Enhancement of X-band Compact Dielectric Resonator Antenna with Defected Ground Structure	Rasmita Sahu, Hrudananda Pradhan, Biswa Binayak Mangaraj, Santanu Kumar Behera	ETC Engineering	IETE Journal of Research		0377-2063	https://www.tandfonline.com/journals/tjir20	https://doi.org/10.1080/03772063.2021.2021823	Yes
On Microstrip Array Antenna with Enhanced Bandwidth and Gain Using Modified Ant Lion Optimization for X-Band Applications	Hrudananda Pradhan, Rasmita Sahu, Biswa Binayak Mangaraj, Santanu Kumar Behera	ETC Engineering	IETE Journal of Research		0377-2063	https://www.tandfonline.com/journals/tjir20	https://doi.org/10.1080/03772063.2022.2055665	Yes
Energy efficient equalizer design for MIMO OFDM communication systems using improved split complex extreme learning machine	S.Sahoo, Harish Kumar Sahoo, S.Nanda	ETC Engineering	Signal, Image and Video Processing		1863-1711	https://www.springer.com/journal/11760	https://doi.org/10.1007/s11760-021-01933-2	Yes
FPGA implementation of fuzzy sparse adaptive equalizer for indoor wireless communication systems	S.Sahoo, Y.K. Barapatre, Harish Kumar Sahoo, S. Nanda	ETC Engineering	Applied Soft Computing			https://www.journals.elsevier.com/applied-soft-computing	https://doi.org/10.1016/j.asoc.2021.107616	Yes
Area-optimized BCD-4221 VSLI adder architecture for high-performance computing	Dharamvir Kumar, Manoranjan Pradhan	ETC Engineering	Journal of Harbin Institute of Technology (New Series)		1005-9113	http://hit.alljournals.cn/jhit_cn/ch/index.aspx	Accepted. Yet to appear online.	Yes
Fibonacci Series-Motivated Sequential-Elliptical-Pyramid Slotted Microstrip Antenna with C-Band and X-Band Isolation Features	Ananda Kumar Behera, Debasis Mishra, S. Nallusamy, Diptimayee Konhar, Suwendu Narayan Mishra	ETC Engineering	International Journal of Engineering Trends and Technology		2231 – 5381			Yes
Analytical approach assisted simulation study of Si, SiGe, and InP based BJT	M.R. Jena, SathakMohapatra, A.K. Panda, G.N. Dash	ETC Engineering	International journal of nano electronics and mate	2019		https://ijnsam.unimap.edu.my/		Yes
Cap-layer and charge sheet effect in InP based pnp I-doped heterojunction bipolar transistor	M.R. Jena, A.K. Panda, G.N. Dash	ETC Engineering	Microsystem Technologies, Springer	2021			doi.org/10.1007/s00542-020-04764-2	Yes
Cap layer effect in DC and RF characteristics of InP based n-p-n metamorphic I-doped heterojunction bipolar transistor	M.R. Jena, A.K. Panda, G.N. Dash	ETC Engineering	International Journal of Electronics Letters, Taylor	2022			https://doi.org/10.1080/21681724.2021.1941280	Yes
Self-Heating Effects in SiGe Heterojunction Bipolar Transistor with Different Ge Grading Profile,	M.R. Jena, A.K.Panda, G.N. Dash	ETC Engineering	International Journal of Innovative Technology and	2019	ISSN: 2278-3075		Volume-8 Issue-12, October 2019.	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Effect of spacer on the performance characteristics of SiGe HBT,	M.R. Jena, A.K.Panda, G.N. Dash	ETC Engineering	International Journal of Electronics Engineering	2019	0973-7383		Yes	
A Comparative Analysis InP/InGaAs 1 st Doped based NPN and PNP HBT, International Journal of Engineering Research & Technology (IJERT)	M.R. Jena, A.K.Panda, G.N. Dash	ETC Engineering	International Journal of Engineering Research & Technology (IJERT)	2019			Vol. 8 Issue 09, September-2019.	Yes
Performance Analysis of 5G Wireless Hybrid Precoding using Evolutionary Algorithms	Madhusmita Sahoo, Harish Kumar Sahoo	ETC Engineering	International Journal of Bionic Engineering	2023				Yes
Multisuser Hybrid Precoder Design using logarithmic hyperbolic filtering for millimeter wave communication systems	Swetaleena Sahoo, Manidipa Sarkar, Harish Kumar Sahoo, Sarita Nanda	ETC Engineering	Wireless Networks	2023		https://link.springer.com/article/10.1007/s11276-023-03465-8	https://doi.org/10.1007/s11276-023-03465-8	Yes
Mammogram mass segmentation and detection using Legendre neural network-based optimal threshold	Sunita Sarangi, Nrusigha Prasad Rath, Harish Kumar Sahoo	ETC Engineering	Medical and Biological Engineering and Computing	2021		https://link.springer.com/article/10.1007/s11517-021-02348-4	https://doi.org/10.1007/s11517-021-02348-4	Yes
Energy efficient equalizer design for MIMO OFDM communication systems using improved split complex extreme learning machine	Swetaleena Sahoo, Harish Kumar Sahoo and Sarita Nanda	ETC Engineering	Signal, Image and Video Processing	2022		https://link.springer.com/article/10.1007/s11760-021-01933-2	https://doi.org/10.1007/s11760-021-01933-2	Yes
A novel framework for retinal vessel segmentation using optimal improved frangi filter and adaptive weighted spatial FCM	Sakambhari Mahapatra, Sanjay Agrawal, Pranaba K. Mishro, Ram Bilas Pachori	ETC Engineering	International Journal of Computers in Biology and Biomedicine	2022	105770	https://www.sciencedirect.com/journal/computers-in-biology-and-medicine	https://www.sciencedirect.com/science/article/abs/pii/S001048252200542X	Yes
An optimal statistical feature-based transformation function for enhancement of retinal images using adaptive enhanced leader particle swarm optimization	Sakambhari Mahapatra, Sanjay Agrawal	ETC Engineering	International Journal of Imaging Systems and Technology	2022		International Journal of Imaging Systems and Technology IMA Wiley Online Library	https://onlinelibrary.wiley.com/doi/abs/10.1002/ima.22767	Yes
Mean global based on hysteresis thresholding for retinal blood vessel segmentation using enhanced homomorphic filtering	Sakambhari Mahapatra, U. R. Jena and Sonali Dash	ETC Engineering	International Journal of Multimedia Tools and Applications	2022		Multimedia Tools and Applications Home (springer.com)	Mean global based on hysteresis thresholding for retinal blood vessel segmentation using enhanced homomorphic filtering SpringerLink	Yes
A Review on Retinal Blood Vessel Enhancement and Segmentation Techniques for Color Fundus Photography	Sakambhari Mahapatra, Sanjay Agrawal, Pranaba K. Mishro, Rutuparna Panda, Lingraj Dora, & Ram Bilas Pachoric	ETC Engineering	Critical Reviews in Biomedical Engineering	2024		https://www.begellhouse.com/journals/critical-reviews-in-biomedical-engineering.html	https://dl.begellhouse.com/journals/4b27cbfc562e21b8264393b40f6ee9ce6bddd8711c4d006.html	yes
A modified Coye algorithm for retinal vessel segmentation	Sakambhari Mahapatra, Uma Ranjan Jena, Sonali Dash and S. Agrawal	ETC Engineering	International Journal of Computational Vision and Robotics	2023		International Journal of Computational Vision and Robotics Home (interscienceonline.com)	A modified Coye algorithm for retinal vessel segmentation International Journal of Computational Vision and Robotics (interscienceonline.com)	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years								
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years								
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Fast signed multiplier using Vedic Nikhilam algorithm	Sahu, Satya Ranjan, Bandan Kumar Bhoi, and Manoranjan Pradhan	ETC Engineering	IET Circuits, Devices & Systems	2020	1751-8598	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-cds.2019.05378	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-cds.2019.05378	Yes
Designing digital circuits using 3D nanomagnetic logic architectures	Bandan Kumar Bhoi, Nirupma Pathak, Santosh Kumar, Neeraj Kumar Misra	ETC Engineering	Journal of Computational Electronics	2021	1572-8137	https://www.springer.com/journal/10825	https://link.springer.com/article/10.1007/s10825-020-01647-7	Yes
Optimization of parameters of adders and barrel shifter based on emerging QCA technology	Nirupma Pathak, Neeraj Kumar Misra, Bandan Kumar Bhoi, Santosh Kumar	ETC Engineering	Radioelectronics and Communications Systems	2021	1934-8061	https://www.springer.com/journal/11976	https://link.springer.com/article/10.3103/S0735272721100022	Yes
Improved Redundant Binary Adder Realization in FPGA	Satya Ranjan Sahu, Bandan Kumar Bhoi, Manoranjan Pradhan	ETC Engineering	Journal of Circuits, Systems and Computers	2021	1793-6454	https://www.worldscientific.com/worldscinet/jcsc	https://www.worldscientific.com/doi/abs/10.1142/S021812662150287X	Yes
Content Addressable Memory Design in 3D pNML for Energy-Aware Sustainable Computing	Nirupma Pathak, Bandan Kumar Bhoi, Neeraj Kumar Misra, Santosh Kumar	ETC Engineering	Journal of Circuits, Systems and Computers	2022	1793-6454	https://www.worldscientific.com/worldscinet/jcsc	https://www.worldscientific.com/doi/abs/10.1142/S021812662250178X	Yes
Cost-Effective Quantum dot Architecture of Decoder Circuit and its Futuristic Scope in the Nanoelectronics	Bandan Kumar Bhoi, Neeraj Kumar Misra, Prity Bharti	ETC Engineering	Scientia Iranica	2022	2345-3605	https://scintiairanica.sharif.edu/	https://scintiairanica.sharif.edu/article_22930.html	Yes
Efficient architecture for arithmetic designs using perpendicular NanoMagnetic Logic	Neeraj Kumar Misra, Bandan Kumar Bhoi	ETC Engineering	Nano Communication Networks	2023	1878-7797	https://www.sciencedirect.com/journal/nano-communication-networks	https://www.sciencedirect.com/science/article/pii/S187877923000200	Yes
Pseudo-Differential Active Inductor-Based Modified Gilbert Cell Mixer	Aditya Kumar Hota*, Kabiraj Sethi	ETC Engineering	Iranian Journal of Science and Technology, Trans	2021		https://link.springer.com/article/10.1007/s40998-021-00464-3		Yes
2.4 GHz Active Inductor Based Single to Differential LNA for WLAN Applications	Aditya Kumar Hota*, Kabiraj Sethi	ETC Engineering	IETE Journal of Research	2023		https://www.tandfonline.com/doi/abs/10.1080/03772063.2023.2218834?journalCode=tjir20	https://drive.google.com/drive/folders/1wC0YlpT_SG_HFohWMk7eV_V35b7aey75	Yes
A High-Q Floating Active Inductor Based VCO for L-Band and Lower C-Band Applications in 180 nm CMOS Technology	Aditya Kumar Hota, Kabiraj Sethi, Kriangkrai Sooksood*, Sushanta Kumar Mohapatra	ETC Engineering	Journal of The Institution of Engineers (India): Se	2023		https://link.springer.com/article/10.1007/s40031-023-00910-2		Yes
Enhancement of electron transport mobility in GaAs/InGaAs asymmetrically doped narrow quantum well pHEMT structure	Sangita Rani Panda, Manoranjan Pradhan, Trinath Sahu and Ajit Kumar Panda	ETC Engineering	Physica Scripta, IOP Publishing Ltd	2023	1402-4896	https://iopscience.iop.org/article/10.1088/1402-4896/ad0934		Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Study of nonmonotonic electron mobility due to influence of asymmetric structure parameters in pseudomorphic heterojunction field effect transistors	Sangita Rani Panda, Manoranjan Pradhan, Trinath Sahu and Ajit Kumar Panda	ETC Engineering	Physica Scripta,IOP Publishing Ltd	2022	1402-4896	https://iopscience.iop.org/article/10.1088/1402-4896/ac9862/meta#:text=Nonmonotonic%20electron%20mobility%20is%20obtained,asymmetric%20variation%20of%20doping%20concentrations.	Yes	
Relevant edge probability-based adaptively weighted active contour for medical image segmentation	Bijay Kumar Sa, Rutuparna Panda, Sanjay Agrawal	ETC Engineering	International Journal of Imaging Systems and Tec	2023	Online ISSN:1098-9 Print ISSN:0899-9	https://onlinelibrary.wiley.com/doi/abs/10.1002/ima.22993	https://onlinelibrary.wiley.com/doi/abs/10.1002/ima.22993	Yes
Robust H-Infinity Filter and PSO-SVM Based Monitoring of Power Quality Disturbances System	Prakash K. Ray, Harish Kumar Sahoo,Asit Mohanty; Javed Khan Bhutto; Abdulwasa Bakr Barnawi, Abdulmjeed Ali Alshaya	ETC Engineering	IEEE Access	2024	2169-3536	https://ieeexplore.ieee.org/abstract/document/10444305	10.1109/ACCESS.2024.3367727	SCI
Optimal multiuser uplink data detection for 5G communication networks	Madhusmita Sahoo & Harish Kumar Sahoo	ETC Engineering	International Journal of Information Technology	2024	2511-2112	https://link.springer.com/article/10.1007/s41870-023-01691-z	https://doi.org/10.1007/s41870-023-01691-z	SCOPUS
Investigations concerning the effects of thermal radiation, induced magnetic field, and chemical reaction on MHD flow through a permeable medium	Manasi Mishra, J.P. Panda and S.S. Sahoo	Mathematics	International Journal of Modern Physics, B	2024	0217-9792	https://doi.org/10.1142/S0217979224500309	https://doi.org/10.1142/S0217979224500309	SCI
An Analytical investigation of MHD Natural Convective flow of a Polar Fluid in Two Vertical Concentric	Manasi Mishra, J.P. Panda and S.S. Sahoo	Mathematics	Int. J. Applied and Computational Mathematics	2024	2349-5103	https://doi.org/10.1007/s40819-024-01714-8	https://doi.org/10.1007/s40819-024-01714-8	SCOPUS
Impact of radiation on MHD flow with hall effect and induced magnetic field over magnetized vertical surface	Arjun Agrawal and J.P. Panda	Mathematics	Songklanakarin Journal of Science and Technology	2023	0125-3395	vol. 45, no. 4, 483-493, Jul- Aug. 2023.		SCOPUS
Study the Soret effects on Bioconvective induced magneto-hydrodynamics flow in presence of multiple slip and thermal Radiation	Arjun Agrawal, J.P. Panda and K. S. Shadangi	Mathematics	Numerical Heat Transfer, Part B: Fundamentals	2023	1521-0626	https://doi.org/10.1080/10407790.2023.2262119	https://doi.org/10.1080/10407790.2023.2262119	SCI
Simulation of thermally radiative flow of a Maxwell's fluid toward exponentially stretchable surface with heat generation/absorption	Manasi Mishra and J.P. Panda	Mathematics	Numerical Heat Transfer, Part B: Fundamentals	2023	1521-0626	https://doi.org/10.1080/10407790.2023.2257878	https://doi.org/10.1080/10407790.2023.2257878	SCI
Entropy generation in unsteady stagnation flow through porous media in the presence of a high magnetic Reynolds number with a uniform heat source: renewable energy applications	Ilyas Khan, L. Panigrahi and J. Panda	Mathematics	Waves in Random and Complex Media	2023	1745-5030	https://doi.org/10.1080/17455030.2023.2187235	https://doi.org/10.1080/17455030.2023.2187235	SCI

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years									
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years									
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal			
Investigation of induced magnetic field on MHD radiative flow across an exponentially stretching sheet	M. Mishra, L. Panigrahi and J. Panda	Mathematics	<i>International Journal of Ambient Energy</i>	2023	2162-8246	https://doi.org/10.1080/01430750.2023.2169757	https://doi.org/10.1080/01430750.2023.2169757	SCOPUS	
Thermal radiation and Soret effects on boundary layer flow past a vertical surface embedded in porous medium with induced magnetic field with reference to Aluminum industry	Manasi Mishra, J.P. Panda, Dileep Kumar and S. S. Sahoo	Mathematics	<i>Journal of Thermal Analysis and Calorimetry</i>	2022	1388-6150	https://doi.org/10.1007/s10973-022-11644-6	https://doi.org/10.1007/s10973-022-11644-6	SCI	
Soret effect on MHD flow with hall current and induced magnetic field	Arjun Agrawal and J.P. Panda	Mathematics	<i>International Journal of Ambient Energy</i>	2022	2162-8246	https://doi.org/10.1080/01430750.2022.2128416	https://doi.org/10.1080/01430750.2022.2128416	SCOPUS	
Numerical analysis of entropy generation and induced magnetic field on unsteady stagnation flow with suction/injection	L. Panigrahi, J.P. Panda, I. Khan	Mathematics	<i>Numerical Heat Transfer, Part B: Fundamentals</i>	2022	1521-0626	https://doi.org/10.1080/10407790.2022.2068863	https://doi.org/10.1080/10407790.2022.2068863	SCI	
MHD natural convective flow of a polar fluid with Newtonian heat transfer in vertical concentric annuli	L. Panigrahi, J.P. Panda, G. C. Dash	Mathematics	<i>International Journal of Ambient Energy</i>	2022	2162-8246	https://doi.org/10.1080/01430750.2020.1831953	https://doi.org/10.1080/01430750.2020.1831953	SCOPUS	
Soret effect for unsteady MHD Mixed convective flow in porous medium with viscous dissipation	Manasi Mishra and J.P. Panda	Mathematics	<i>International Journal of Ambient Energy</i>	2021	2162-8246	https://doi.org/10.1080/01430750.2021.1969271	https://doi.org/10.1080/01430750.2021.1969271	SCOPUS	
Unsteady heat transfer and entropy generation study on viscoelastic fluid flow coupled with induced magnetic field	L. Panigrahi, J. Panda, S. S. Sahoo	Mathematics	<i>Iranian Journal of Science and Technology, Transactions A: Science</i>	2021	1028-6276	https://doi.org/10.1007/s40995-021-01126-z	https://doi.org/10.1007/s40995-021-01126-z	SCI	
Impact of chemical reaction, hall current, and radiation on MHD flow between vertical walls	L. Panigrahi, D. Kumar and J. P. Panda	Mathematics	<i>Journal of Engineering Thermophysics</i>	2021	1810-2328	https://doi.org/10.1134/s181023282101010100	https://doi.org/10.1134/s181023282101010100	SCI	
Heat and mass transfer of MHD Casson nanofluid flow through a porous medium past a stretching sheet with Newtonian heating and chemical reaction	L. Panigrahi, J.P. Panda, K. Swain and G.C. Dash	Mathematics	<i>Karbala International Journal of Modern Science</i>	2020	2405-6103	https://doi.org/10.33640/2405-609x.1740	https://doi.org/10.33640/2405-609x.1740	SCOPUS	
Analytical investigation of polar fluid flow with induced magnetic field in concentric annular region	L. Panigrahi, J. P. Panda, Devendra Kumar and S. S. Sahoo	Mathematics	<i>Heat Transfer</i>	2020	2688-4542	https://doi.org/10.1002/htj.21816	https://doi.org/10.1002/htj.21816	SCOPUS	
Factors affecting production	Pradhan, P.; Panda, S.; Parhi, S	Civil	<i>Construction and Building Materials</i>	2022	0950-0618	https://doi.org/10.1016/j.conbuildmat.2022.128		SCI	
Durability characteristics of	Pradhan, P.; Dwibedi, S.; Pradi	Civil	<i>Journal of Building Engineering</i>	2022	2352-7102	https://doi.org/10.1016/j.jobe.2022.105100		SCI	
A comprehensive study on	Parhi, S. K.; Dwibedy, S.; Panc	Civil	<i>Journal of Building Engineering</i>	2023	2352-7102	https://doi.org/10.1016/j.jobe.2023.107086		SCI	
Alkali-silica reaction expansion	Parhi, S. K. and Panigrahi, S. &	Civil	<i>Asian Journal of Civil Engineering</i>	2023	1563-0854	https://doi.org/10.1007/s42107-023-00799-8		SCOPUS	
GGBFS-based Self-Compac	Pradhan, J.; Panda, S.; Parhi, S	Civil	<i>Journal of Materials in Civil Engineering</i>	2023	0899-1561	https://doi.org/10.1061/JMCEE7.MTENG-166		SCI	
Production of durable high	Pradhan, J.; Panda, S.; Dwibedi	Civil	<i>Journal of Material Cycles and Waste Management</i>	2023	1438-4957	https://doi.org/10.1007/s10163-023-01851-0		SCI	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of Journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	SCI
Factors affecting the structure of concrete	Dwibedy, S. and Panigrahi, S.	Civil	Construction and Building Materials	2023	0950-0618	https://doi.org/10.1016/j.conbuildmat.2023.134	SCI
Metaheuristic optimization machine learning models for alkali-activated slag concrete	Parhi, S. K.; Panda, S.; Dwibedy, S.	Civil	Multiscale and Multidisciplinary Modeling, Experimentation and Simulation	2024	2520-8160	https://doi.org/10.1007/s41939-023-00349-4	SCI
AI-driven critical parameter optimization of sustainable self-compacting geopolymer concrete	Parhi, S. K.; Dwibedy, S.; Panigrahi, S.	Civil	Journal of Building Engineering	2024	2352-7102	https://doi.org/10.1016/j.jobe.2024.108923	SCI
Optimal Red Mud replacement in concrete	Soumyaranjan Panda, Monalin	Civil	Journal of Sustainable Metallurgy	2024	2199-3823	NOT YET RECEIVED	SCI
Enhancing Energy Efficiency in Smart Grids	Kalyan Das, Satyabrata Das & Chinmaya Ku. Nayak & Satyajit Das	IT	Instrumentation Measure Metrologie	2024	2269-8485	https://ieta.org/Journal	Yes
Energy-Efficient Forecasting in Smart Grids	Kalyan Das, Satyabrata Das & Chinmaya Ku. Nayak & Satyajit Das	IT	Wireless Personal Communications (SCI)	2023	1572-834X	https://link.springer.com/doi/10.1016/j.wirecom.2023.100001	Yes
Energy Competent Clustering in Smart Grids	Chinmaya Ku. Nayak & Satyajit Das	IT	Int. J. of System of Systems Engineering, Inderscience	2023	1748-068X	https://www.inderscience.com	Yes
Constrained-Based Power Allocation in Smart Grids	Sanjib Kumar Nayak, Sanjaya Kumar Nayak & Satyajit Das	IT	International Journal of Computational Science and Applications	2022	1742-7193	https://www.inderscience.com	Yes
Energy-efficient cloud integration in Smart Grids	Kalyan Das & Satyabrata Das	IT	Science, Engineering and Health Studies (Scopus)	2022	2630-0087	https://doi.org/10.1504/ijeh	Yes
A Multi-Objective Renewable Energy Allocation in Smart Grids	Sanjib Kumar Nayak, Sanjaya Kumar Nayak & Satyajit Das	IT	International Journal of Embedded Systems, Inderscience	2022	1741-1076	https://www.inderscience.com	Yes
Minimization of Energy Loss in Smart Grids	Chinmaya Ku. Nayak & Satyajit Das	IT	International Journal of e-Collaboration (Scopus)	2022	1548-3681	https://www.igi-global.com	Yes
Energy-Efficient Cloud Integration in Smart Grids	Kalyan Das & Satyabrata Das	IT	International Journal of e-Collaboration (Scopus)	2022	1548-3681	https://www.igi-global.com	Yes
A resource Management Algorithm for Smart Grids	Sohan Kumar Pande, Sanjaya Kumar Nayak & Satyajit Das	IT	CMC-Computers, Materials & Continua (SCI)	2021	1546-2226	https://www.techscience.com	Yes
A novel communication framework for Smart Grids	Bata Krishna Tripathy, Swagat Ku. Jena, Bata Ku. Tripathy & Satyajit Das	IT	International Journal of Information Technology	2021	2511-2112	https://link.springer.com/article/10.1007/s12652-020-02021-0	Yes
A Smart Cloud Service Migration Framework for Smart Grids	Sohan Kumar Pande, Sanjaya Kumar Nayak & Satyajit Das	IT	IEEE Transactions on Intelligent Transportation Systems	2021	1558-0016	https://ieeexplore.ieee.org	Yes
Dynamic service migration in Smart Grids	Sohan Ku.Pandey, Sanjaya Kumar Nayak & Satyajit Das	IT	Journal of Ambient Intelligence and Humanized Computing	2021	1868-5145	https://link.springer.com/doi/10.1007/s12652-020-02021-0	Yes
Harris Hawks Jaya Algorithm for Smart Grids	Pradosh Kumar Gantayat & Sanjaya Kumar Nayak & Satyajit Das	IT	International Journal of Business Data Communications	2021	1548-064X	https://www.igi-global.com	Yes
Energy Efficient Routes for Smart Grids	Chinmaya Ku. Nayak & Satyajit Das	IT	International Journal of e-Collaboration (Scopus)	2021	1548-3681	https://www.igi-global.com	Yes
Energy Competent Hierarchical Routing in Smart Grids	Chinmaya Ku. Nayak & Satyajit Das	IT	Journal of the Association for Computing Machinery	2020		ACM Journals	Yes
Data Prediction and Forecasting in Smart Grids	Kalyan Das & Satyabrata Das	IT	Science & Technology Asia (Scopus)	2020	2630-0087	https://doi.org/10.1016/j.sta.2020.100001	Yes
A Novel Energy-efficient Scheduling Algorithm for Smart Grids	Kalyan Das, Satyabrata Das & Chinmaya Ku. Nayak & Satyajit Das	IT	Karbala International Journal of Modern Science	2020	2405-6103	https://www.kijoms.uokerbala.edu.kw	Yes
An Adaptive Secure and Efficient Routing Protocol for Smart Grids	Bata Krishna Tripathy, Swagat Ku. Jena, Bata Ku. Tripathy & Satyajit Das	IT	Wireless Personal Communications (SCI)	2020	1572-834X	https://link.springer.com/doi/10.1016/j.wirecom.2020.100001	Yes
Energy efficient sensor network for Smart Grids	Chinmaya Kumar Nayak & Satyajit Das	IT	International Journal of Advanced Science and Technology	2020	2207-6360	http://sersc.org/journals/index.php/ijast	Yes
Distribution of sensor nodes in Smart Grids	Chinmaya Kumar Nayak & Satyajit Das	IT	Test Engineering and Management (Scopus)	2020		TEST Engineering & Management	Yes
Award-Reward Protocol Based Incentive Mechanism for Smart Grids	Pradosh Kumar Gantayat & Sanjaya Kumar Nayak & Satyajit Das	IT	Journal of Applied Security Research (Scopus)	2019	1936-1629	http://testmagazine.biz/index.php/jasr	Yes
A New Mobility Control Algorithm for Smart Grids	Bata Krishna Tripathy, Swagat Ku. Jena, Bata Ku. Tripathy & Satyajit Das	IT	Arabian Journal for Science and Engineering (SCI)	2019	2191-4281	Home Arabian Journal for Science and Engineering (SCI)	Yes
Minimization of Energy Loss in Under Water Sensor Networks	Niva Tripathy & Satyabrata Das	IT	International Journal of Natural Computing Research (UGC)	2019	1947-9298	https://doi.org/10.1016/j.ijncr.2019.100001	Yes
Minimization of Energy-Holes in Wireless Sensor Network (WSN) Using Hierarchical Routing Protocols	Chinmaya Kumar Nayak & Satyajit Das	IT	Journal of Computational and Theoretical Nanoscience (Scopus)	2019	1546-1963	Journal of Computational and Theoretical Nanoscience (Scopus)	Yes
Secure Trust Level Routing in Delay Tolerant Network with Fuzzy Empowered Node Categorization Technique	Pradosh Kumar Gantayat & Sanjaya Kumar Nayak & Satyajit Das	IT	Journal of Computational and Theoretical Nanoscience (Scopus)	2019	1546-1963	Journal of Computational and Theoretical Nanoscience (Scopus)	Yes
A Kerberos Based Secure Communication System in Smart (Internet of Things) Environment	Swagat Ku. Jena, Bata Ku. Tripathy & Satyajit Das	IT	Journal of Computational and Theoretical Nanoscience (Scopus)	2019	1546-1963	Journal of Computational and Theoretical Nanoscience (Scopus)	Yes
A novel rough set-based affinity propagation method for cholesterol prediction from ABC transporter	Ramamani Tripathy, Debahuti	IT	Indian Journal of Public Health Research & Development (Scopus)	2018	0976-5506	Indian Journal of Public Health Research & Development (Scopus)	Yes

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years								
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years								
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Survey of Energy-Efficient Techniques for the Cloud-Integrated Sensor Network	Kalyan Das, Satyabrata Das, R	IT	Journal of Sensors, Hindawi (SCIE)	2018	1687-7268	Journal of Sensors H	https://www.hindawi.com/	Yes
Task Partitioning Scheduling Algorithm for Heterogeneous Multi-cloud Environment	Sanjaya Ku. Panda, Sohan Ku,	IT	Arabian Journal for Science and Engineering (SCI)	2018	2191-4281	Home Arabian Journ	DOI: https://doi.org/10.100	Yes
Effect of cooling rate on solidification points and atomic structures of metal nanoclusters: a molecular dynamics simulation study	MP Samantaray, SS Sarangi	Physics	Physica Scripta,IOP Publishing Ltd	2023	125971	https://iopscience.iop.org/journal/1402-4896	https://iopscience.iop.org/article/10.1088/1402-4896/ad0de4/meta	SCI, SCOPUS
Parametric Stability Analysis of a Parabolic-Tapered Rotating Beam Under Variable Temperature Grade	R. R. Chand, P. K. Behera, M. Pradhan and P. R. Dash	Mechanical Engineering	Journal of Vibration Engineering & Technologies	2019	2523-3939	https://link.springer.com/journal/42417	https://link.springer.com/article/10.1007/s42417-018-0071-y	
Static and Dynamic Stability Analysis of an Asymmetric Rotating Tapered Sandwich Beam Subjected to Pulsating Axial Load with Thermal Gradient.	Pradhan, M., & Dash, P.	Mechanical Engineering	International Journal of Acoustics & Vibration	2019	1027-5851	https://ijav.org/ijav/index.php?va=viewpage&vaid=26	https://openurl.ebsco.com/EPDB%3Aged%3A1%3A12305025/detail?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Aged%3A141184869&crl=c	
Study of Static and Dynamic Stability of an Exponentially Tapered Revolving Beam Exposed to a Variable Temperature Grade under Axial Loading.	Chand, R. R., Behera, P. K., Pradhan, M., & Dash, P.	Mechanical Engineering	International Journal of Acoustics & Vibration	2019	1027-5851	https://ijav.org/ijav/index.php?va=viewpage&vaid=26	https://ijav.org/ijav/content/volumes/24_2019_1848881553860721/vol_3/1357_fullpaper_1070161569501717.pdf	
Stability analysis of a tapered symmetric sandwich beam resting on a variable pasternak foundation	M. Pradhan, P R Dash, M K Mishra, P K Pradhan	Mechanical Engineering	International Journal of Acoustics & Vibration	2019	1027-5851	https://ijav.org/ijav/index.php?va=viewpage&vaid=26	https://ijav.org/ijav/content/volumes/24_2019_1848881553860721/vol_2/1178_fullpaper_947971561710915.pdf	
Static and Dynamic Stability Analysis of a Rotating Taper Beam Having Elliptical Cross Section Subjected to Pulsating Axial Load With Thermal Gradient	Pradhan, M., Mishra, M. K., & Dash, P.	Mechanical Engineering	International Journal of Acoustics & Vibration	2019	1027-5851	https://ijav.org/ijav/index.php?va=viewpage&vaid=26	https://ijav.org/ijav/content/volumes/24_2019_1848881553860721/vol_3/1250_fullpaper_1502231569501612.pdf	
Stability Study of a Sandwich Beam with Asymmetric and Non-uniform Configuration Supported Viscoelastically Under Variable Temperature Grade	Pradhan, M., and P. R. Dash	Mechanical Engineering	Journal of Vibration Engineering & Technologies	2019	2523-3939	https://link.springer.com/journal/42417	https://link.springer.com/article/10.1007/s42417-019-00087-3	
Dynamic stability study on an exponentially tapered rotating asymmetric sandwich beam under the action of a pulsating axial load with variable temperature gradient	Pradhan, M., and P. R. Dash	Mechanical Engineering	Journal Of Aerospace Sciences & Technologies	2019	2584-1351	http://joast.org/index.php/joast/index	http://joast.org/index.php/joast/article/view/137	
Assessment of Traffic Noise Pollution in Burla Town, India; An Inclusive Annoyance Study	A. K. Sahu, M. Pradhan, C. R. Mohanty and P. K. Pradhan	Mechanical Engineering	Sound & Vibration	2020	2693-1443	https://www.techscience.com/journal/sv	https://pdfs.semanticscholar.org/80da/d96de1b5bcd646921e992760de7a8ac3df14.pdf	

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years								
3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years								
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
Evaluation and Modeling of Traffic Noise in Berhampur City, India	A. K. Sahu, P. K. Pradhan, S. K. Nayak, M. Pradhan and C. R. Mohanty	Mechanical Engineering	Fluctuation and Noise Letters	2020	0219-4775	https://www.worldscientific.com/worldscinet/finl	https://www.worldscientific.com/doi/abs/10.1142/S0219477520500443	
Stability of an exponentially tapered asymmetric sandwich beam placing on a variable Pasternak Foundation with variable temperature gradient	Pradhan, M. , Dash, P., & Nayak, D. K.	Mechanical Engineering	Noise & Vibration Worldwide	2021	2048-4062	https://journals.sagepub.com/home/nvw	https://journals.sagepub.com/doi/abs/10.1177/0957456520972378	
Environmental Impact of Pandemic-Lockdown in Berhampur city, India.	Sathpathy, D., Sahu, A. K., Pradhan, M. , Mohanty, C. R., & Pradhan, P. K.	Mechanical Engineering	Applied Journal of Environmental Engineering Science	2021	2509-2065	https://revues.imist.ma/index.php/AJEES/index	https://revues.imist.ma/index.php/AJEES/article/view/25592	
Analysis of parametric instability of a spring-attached pre-twisted beam with viscoelastic end support	Nayak, D. K., Pradhan, M. , Jena, P. K., & Dash, P.	Mechanical Engineering	Noise & Vibration Worldwide	2021	2048-4062	https://journals.sagepub.com/home/nvw	https://journals.sagepub.com/doi/abs/10.1177/09574565211030712	
Vehicular noise pollution and its environmental impact in Berhampur, India	Sahu, A. K., Pradhan, M. , Mohanty, A., Mohanty, C. R., & Pradhan, P. K.	Mechanical Engineering	Advances in Environmental Technology	2022	2476-4779	https://aet.irost.ir/	https://aet.irost.ir/article_1178.html	
<u>Effect of beeswax and petroleum wax on the thermal degradation behavior, kinetics, and thermodynamics of low-grade coal</u>	Pragyandeepi Behera, Pabitra Mohan Mahapatra, Gayatri Sabat, Achyut K. Panda,	Chemistry	Environmental Quality Management	2024	1520-6483	https://doi.org/10.1002/tqem.22191		
An experimental investigation in a CI engine for the performance, emission and combustion characteristics of liquid fuel produced through catalytic co-pyrolysis,	Indra Mohan, Sandip Mandal, Achyut Kumar Panda, Ramakrishnan Prakash, Sachin Kumar,	Chemistry	Fuel	2024	1873-7153	https://doi.org/10.1016/j.fuel.2024.130909		
Investigation of synergetic, kinetics, thermodynamics, and batch studies of polypropylene-bakelite co-pyrolysis	Pabitra Mohan Mahapatra, Prakash Chandra Mishra, Sachin Kumar, Puspanjali Mishra, Achyut Kumar Panda,		Results in Engineering	2024	2590-1230	https://doi.org/10.1016/j.rineng.2023.101720		
A brief review on polymer r	Ivaturi Siva Ramakoti, Achyut Kumar Panda, Narayan		Journal of Polymer Engineering,	2023	2191-0340	https://doi.org/10.1515/polyeng-2023-0103		
Screening of modified kaolin catalysts in the catalytic pyrolysis of waste high-density polyethylene: Kinetics and thermodynamic analysis, Artificial Neural Network prediction, batch pyrolysis study and characterization of liquid fuel, Publication date 2023/10/1, Volume-11, Issue-5, Pages-111039	Indra Mohan, Abhisek Sahoo, Achyut K Panda, Sandip Mandal, Sachin Kumar,	Chemistry	Journal of Environmental Chemical Engineering,	2023	2213-3437	https://doi.org/10.1016/j.jece.2023.111039		

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Co-pyrolysis of Azadirachta indica non-edible seed and waste LDPE: Analysis of kinetic models using thermogravimetric analyser and prediction modeling with Artificial Neural Network (ANN),	Indra Mohan, Achyut K Panda, Sandip Mandal, Sachin Kumar,	Chemistry	Fuel	2023	0016-2361	https://doi.org/10.1016/j.fuel.2023.128765
Multi-objective optimization and 4E's analysis of a VCR diesel engine fueled with binary fuel mixtures of diesel and pyrolysis oil derived from different plastics waste,	Amar Kumar Das, Taraprasad Mohapatra, Achyut K Panda, Manoranjan Mishra, Sachin Kumar	Chemistry	Journal of the Energy Institute	2023	1746-0220	https://doi.org/10.1016/j.joei.2023.101359
Effect of different thermoplastics on the thermal degradation behavior, kinetics, and thermodynamics of discarded bakelite	Pabitra Mohan Mahapatra, Sachin Kumar, Puspanjali Mishra · Achyut Kumar Panda	Chemistry	Environmental Science and Pollution Research	2023	1614-7499	https://doi.org/10.1007/s11356-023-25953-2
Catalytic pyrolysis of Argemone mexicana seeds over synthesized TiO2 nanoparticles to produce renewable fuels,	Satyra Prakash Pandey, Satish Kumar Singh, Achyut K. Panda, Sandip Mandal, Sachin Kumar,	Chemistry	Sustainable Energy Technologies and Assessments,	2023	2213-1388	https://doi.org/10.1016/j.seta.2023.103091
Optimization of diesel engine	Achyut Kumar Panda, Saroja K	Chemistry	Environmental Science and Pollution Research	2023	1614-7499	https://doi.org/10.1007/s11356-023-26891-9
Multiple response optimization	Amar Kumar Das, Tara prasad	Chemistry	Sustainable Energy Technologies and Assessment	2023	2213-1388	https://doi.org/10.1016/j.seta.2023.103170
Co-pyrolysis of discarded b	Pabitra Mohan Mahapatra, Sue	Chemistry	Journal of the Energy Institute	2023	1746-0220	https://doi.org/10.1016/j.joei.2023.101336
Thermal degradation behavi	Vikranth Volli, Ravi Varma, Dc	Chemistry	Sustainable Energy Technologies and Assessment	2023	2213-1388	https://doi.org/10.1016/j.seta.2023.103150
Synergy, kinetics, and therm	Pabitra Mohan Mahapatra, Sac	Chemistry	Cleaner Engineering and Technology	2023	2666-7908	https://doi.org/10.1016/j.clet.2023.100601
Pyrolysis kinetics and therm	Mahapatra, P.M., Panda, A.K.,	Chemistry	Korean J. Chem. Eng	2023	1975-7220	https://doi.org/10.1007/s11814-022-1326-6
Experimental investigation :	Das, A.K., Sahoo, S.S. and Par	Chemistry	Int. J. Exergy	2023	1742-8297	https://doi.org/10.1504/IJEX.2023.128521
Co-pyrolysis of beeswax wi	Gayatri Sabat, Narayan Gouda,	Chemistry	Sustainable Energy Technologies and Assessment	2022	2213-1388	https://doi.org/10.1016/j.seta.2022.102493
Pyrolysis of low-rank coal:	Sabat, G., Gouda, N., Panda, /	Chemistry	Environmental Quality Management	2022	1520-6483	https://doi.org/10.1002/tqem.21911