

## Documents

- 1) Biswal, A.<sup>a</sup>, Purohit, S.S.<sup>a</sup>, Pratapsingh, J.<sup>a</sup>, Mishra, L.<sup>b</sup>, Mishra, M.<sup>b</sup>, Biswal, S.B.<sup>c</sup>, Swain, S.K.<sup>a</sup>  
**Synergistic Effects of f-MWCNTs and Nano Tania on the Wound Healing Efficacy of Chitosan Films in Drosophila and Rat Models**  
(2023) 6 (24), pp. 23064-23077. Cited 2 times.

**DOI:** 10.1021/acsanm.3c04413

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**Publisher:** American Chemical Society

**ISSN:** 25740970

- 2) Purohit, S.S.<sup>a</sup>, Biswal, A.<sup>a</sup>, Mohapatra, P.<sup>a</sup>, Mishra, L.<sup>b</sup>, Mishra, M.<sup>b</sup>, Biswal, S.B.<sup>c</sup>, Swain, S.K.<sup>a</sup>  
**In Vivo Wound Healing in Drosophila melanogaster and Mouse Models: Synergistic Effect of Bovine Serum Albumin and Graphene Quantum Dots**  
(2023) 6 (12), pp. 5531-5540. Cited 2 times.

**DOI:** 10.1021/acsabm.3c00743

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**Publisher:** American Chemical Society

**ISSN:** 25766422

- 3) Patra, S., Sahu, K.M., Mahanty, J., Swain, S.K.  
**Ex Vivo Glucose Detection in Human Blood Serums with Carbon Quantum Dot-Doped Oleic Acid-Treated Chitosan Nanocomposites**  
(2023) 6 (12), pp. 5730-5745.

**DOI:** 10.1021/acsabm.3c00851

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**Publisher:** American Chemical Society

**ISSN:** 25766422

- 4) Das, S.K.<sup>a b</sup>, Nayak, M.K.<sup>c</sup>, Patro, S.K.<sup>c</sup>, Suda, Y.<sup>c</sup>  
**Durability Properties of Ambient Cured Geopolymer Mortar Made from Rice Husk Ash-Based Alkali Activator: A Comparative Study with Conventional Alkali Activator**  
(2023) 12 (1), pp. 314-328. Cited 1 time.

**DOI:** 10.1520/ACEM20230069

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**Publisher:** ASTM International

**ISSN:** 23791357

- 5) Komariah, K.<sup>a</sup>, Trisfilha, P.<sup>b</sup>, Wahyudi, R.<sup>b</sup>, Erica, N.<sup>c</sup>, Nugroho, D.<sup>d</sup>, Ari santi, Y.<sup>e</sup>, Swain, S.K.<sup>f</sup>  
**Chitosan Xylotrupes gideon encapsulated lemongrass leaf ethanol extract reduce H2O2-induced oxidative stress in human dermal fibroblast**  
 (2023) 28 (4), pp. 191-199.

**DOI:** 10.22146/ijbiotech.81544

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**Publisher:** Universitas Gadjah Mada, Research Center for Biotechnology

**ISSN:** 08538654

- 6) Panda, S.R.<sup>a</sup>, Pradhan, M.<sup>a</sup>, Sahu, T.<sup>b</sup>, Panda, A.K.<sup>c</sup>  
**Enhancement of electron transport mobility in GaAs/InGaAs asymmetrically doped narrow quantum well pHEMT structure**  
 (2023) 98 (12), art. no. 125984, . Cited 1 time.

**DOI:** 10.1088/1402-4896/ad0934

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**Publisher:** Institute of Physics

**ISSN:** 00318949

**CODEN:** PHSTB

- 7) Samantaray, M.P., Sarangi, S.S.  
**Effect of cooling rate on solidification points and atomic structures of metal nanoclusters: a molecular dynamics simulation study**  
 (2023) 98 (12), art. no. 125971, .

**DOI:** 10.1088/1402-4896/ad0de4

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**Publisher:** Institute of Physics

**ISSN:** 00318949

**CODEN:** PHSTB

- 8) Agrawal, K.<sup>a</sup>, Behera, B.<sup>b</sup>, Sahoo, S.C.<sup>c</sup>, Rout, S.K.<sup>d</sup>, Kumar, A.<sup>e</sup>, Pradhan, D.K.<sup>f</sup>, Das, P.R.<sup>a</sup>

**Electrical conduction mechanism in multiferroic Gd doped GaFeO<sub>3</sub>**

(2023) 7, art. no. 100358, . Cited 3 times.

**DOI:** 10.1016/j.chphi.2023.100358

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**Publisher:** Elsevier B.V.

**ISSN:** 26670224

- 9) Dash, P.K., Parhi, S.K., Patro, S.K., Panigrahi, R.

**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**

(2023) 37, art. no. 107485, . Cited 18 times.

**DOI:** 10.1016/j.mtcomm.2023.107485

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**Publisher:** Elsevier Ltd

**ISSN:** 23524928

- 10) Behera, D.<sup>a</sup>, Mishra, S.N.<sup>b</sup>, Sahoo, P.K.<sup>c</sup>, Shah, H.A.<sup>c</sup>

**An enhanced approach towards improving the performance of embedding memory management units into Network-on-Chip**

(2023) 6, art. no. 100332, . Cited 1 time.

**DOI:** 10.1016/j.prime.2023.100332

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**Publisher:** Elsevier Ltd

**ISSN:** 27726711

- 11) Patra, S., Mishra, S., Parhi, B., Mishra, H., Swain, S.K.

**Role of transition metal nanocomposites in organic reactions: A state of art as an alternative to conventional catalysts**

(2023) 6, art. no. 101172, . Cited 7 times.

**DOI:** 10.1016/j.rechem.2023.101172

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**Publisher:** Elsevier B.V.

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12) Dash, A.<sup>a</sup>, Sethy, P.K.<sup>b</sup>, Behera, S.K.<sup>c</sup>

**Maize disease identification based on optimized support vector machine using deep feature of DenseNet201**  
(2023) 14, art. no. 100824, . Cited 15 times.

**DOI:** 10.1016/j.jafr.2023.100824

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**Publisher:** Elsevier B.V.

**ISSN:** 26661543

13) Sahu, R., Pradhan, H., Mangaraj, B.B.

**An efficient X-band communication using dielectric resonance antenna design and parameter tuning**  
(2023) 15 (8), pp. 4111-4124. Cited 2 times.

**DOI:** 10.1007/s41870-023-01496-0

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**Publisher:** Springer Science and Business Media B.V.

**ISSN:** 25112104

14) Sarangi, P.K.<sup>a</sup>, Singh, A.K.<sup>b</sup>, Sonkar, S.<sup>c</sup>, Shadangi, K.P.<sup>d</sup>, Srivastava, R.K.<sup>e</sup>, Gupta, V.K.<sup>f</sup>, Parikh, J.<sup>g</sup>, Sahoo, U.K.<sup>h</sup>, Govarathanan, M.<sup>i,j</sup>

**Biorefinery solutions for food processing wastes: A sustainable bioeconomic perspective**  
(2023) 205, art. no. 117488, . Cited 13 times.

**DOI:** 10.1016/j.indcrop.2023.117488

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**Publisher:** Elsevier B.V.

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- 15) Swain, S.K.<sup>a</sup>, Nazrul, S.<sup>a b</sup>, Das, S.K.<sup>a</sup>, Biswal, A.<sup>a</sup>, Behera, L.<sup>b</sup>

**Layered double hydroxides bundled Agar-g-PAN/Ag nanocomposite films: A strategy to improve thermal, barrier and antibacterial properties**

(2023) 37, art. no. 107073, . Cited 4 times.

**DOI:** 10.1016/j.mtcomm.2023.107073

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**Publisher:** Elsevier Ltd

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- 16) Sahu, R.<sup>a</sup>, Pradhan, H.<sup>a</sup>, Mangaraj, B.B.<sup>a</sup>, Behera, S.K.<sup>b</sup>

**Defected ground structure based compact UWB dielectric resonator antennas with enhanced bandwidth**

(2023) 77 (11-12), pp. 537-548. Cited 1 time.

**DOI:** 10.1515/freq-2022-0301

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**Publisher:** Walter de Gruyter GmbH

**ISSN:** 00161136

**CODEN:** FQNZA

- 17) Behera, S.<sup>a</sup>, Mohanty, S.<sup>b</sup>, Viridi, J.P.S.<sup>a</sup>

**Analytical solutions and mathematical simulation of traveling wave solutions to fractional order nonlinear equations**

(2023) 8, art. no. 100535, . Cited 13 times.

**DOI:** 10.1016/j.padiff.2023.100535

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**Publisher:** Elsevier B.V.

**ISSN:** 26668181

- 18) Garg, S.<sup>a</sup>, Nayyar, A.<sup>b</sup>, Buradi, A.<sup>c</sup>, Shadangi, K.P.<sup>d</sup>, Sharma, P.<sup>e</sup>, Bora, B.J.<sup>a</sup>, Jain, A.<sup>a</sup>, Asif Shah, M.<sup>f g h</sup>

**A novel investigation using thermal modeling and optimization of waste pyrolysis reactor using finite element analysis and response surface methodology**

(2023) 13 (1), art. no. 10931, . Cited 4 times.

**DOI:** 10.1038/s41598-023-37793-8

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**Publisher:** Nature Research

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19) Prasad, S.<sup>a</sup>, Penkova, A.<sup>b</sup>, Chakroborty, S.<sup>c</sup>, Praveen, P.L.<sup>d</sup>

#### **Fine Band Gap Tuning of Novel Azoxy Mesogens Versus Non-mesogen Molecules: Comparative Spectroscopic Analysis for Industrial Applications**

(2023) 33 (12), pp. 3815-3832. Cited 8 times.

**DOI:** 10.1007/s10904-023-02714-9

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**Publisher:** Springer

**ISSN:** 15741443

20) Singh, S., Patro, S.K., Parhi, S.K.

#### **Evolutionary optimization of machine learning algorithm hyperparameters for strength prediction of high-performance concrete**

(2023) 24 (8), pp. 3121-3143. Cited 27 times.

**DOI:** 10.1007/s42107-023-00698-y

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21) Das, G.<sup>a</sup>, Swain, M.<sup>b</sup>, Panda, R.<sup>a</sup>, Naik, M.K.<sup>c</sup>, Agrawal, S.<sup>a</sup>

#### **A non-entropy-based optimal multilevel threshold selection technique for COVID-19 X-ray images using chance-based birds' intelligence**

(2023) 27 (24), pp. 18991-19011. Cited 3 times.

**DOI:** 10.1007/s00500-023-08135-7

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 14327643

- 22) Veligeti, R.<sup>a,b</sup>, Anireddy, J.S.<sup>a</sup>, Madhu, R.B.<sup>b</sup>, Bendi, A.<sup>c</sup>, Praveen, P.L.<sup>d</sup>, Ramakrishna, D.S.<sup>e</sup>  
**Solvent-Free Synthesis of Acridone Based Dihydropyrazine Derivatives Using CuFe<sub>2</sub>O<sub>4</sub> Nanoparticles as Heterogeneous Catalyst: Molecular Docking and In-vitro Studies as Anticancer Agents**  
 (2023) 33 (12), pp. 4039-4051. Cited 26 times.

**DOI:** 10.1007/s10904-023-02638-4

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- 23) Kar, S.<sup>a</sup>, Jena, I.<sup>b</sup>, Bhoi, S.<sup>c</sup>, Pattnaik, S.<sup>a</sup>, Sutar, M.K.<sup>a</sup>  
**Impact of distinct alkaline treatment on natural plant fibre reinforced polymer composites**  
 (2023) 237 (24), pp. 5951-5962. Cited 2 times.

**DOI:** 10.1177/09544062231168723

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**Publisher:** SAGE Publications Ltd

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- 24) Parida, S.P.<sup>a</sup>, Jena, P.C.<sup>b</sup>, Dash, R.R.<sup>c</sup>  
**Dynamics of rectangular laminated composite plates with selective layer-wise fillering rested on elastic foundation using higher-order layer-wise theory**  
 (2023) 29 (23-24), pp. 5598-5615. Cited 21 times.

**DOI:** 10.1177/10775463221138353

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**Publisher:** SAGE Publications Inc.

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**CODEN:** JVCOF

- 25) Mohapatra, D.K., Deo, C.R., Mishra, P., Ekka, K.K., Mishra, C.  
**Mechanical characterization of kenaf/glass fibre hybrid composite laminates: An experimental and numerical approach**  
 (2023) 237 (6), pp. 2440-2448. Cited 11 times.

**DOI:** 10.1177/09544089221136813

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26) Saxena, S.<sup>a b</sup>, Rawat, S.<sup>c</sup>, Sasmal, S.<sup>a</sup>, Shadangi, K.P.<sup>d</sup>

**A mini review on microwave and contemporary based biohydrogen production technologies: a comparison** (2023) 30 (60), pp. 124735-124747. Cited 1 time.

**DOI:** 10.1007/s11356-022-21979-0

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27) Dash, S.<sup>a</sup>, Sahu, P.K.<sup>a</sup>, Mishra, D.<sup>b</sup>

**Forex market directional trends forecasting with Bidirectional-LSTM and enhanced DeepSense network using all member-based optimizer** (2023) 17 (4), pp. 1351-1382.

**DOI:** 10.3233/IDT-230183

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**Publisher:** IOS Press BV

**ISSN:** 18724981

28) Mohapatra, S.<sup>a</sup>, Das, A.<sup>b</sup>, Sahoo, D.<sup>c</sup>, Sharp, B.<sup>a</sup>, Sahoo, A.K.<sup>d</sup>

**How climate-included variations in crop yields affect migration in India** (2023) 50 (11), pp. 1521-1550.

**DOI:** 10.1108/IJSE-10-2022-0710

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**Publisher:** Emerald Publishing

**ISSN:** 03068293

29) Mishra, M.<sup>a</sup>, Sahoo, M.P.K.<sup>a</sup>, Pradhan, L.K.<sup>b</sup>, Pattanaik, A.K.<sup>a</sup>

**Dielectric and room temperature ferromagnetism in vacuum annealed Bi(Zn<sub>0.5</sub>Zr<sub>0.5</sub>)O<sub>3</sub> modified PbTiO<sub>3</sub> ceramics** (2023) 49 (22), pp. 36669-36678.



**DOI:** 10.1016/j.ceramint.2023.08.350

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**Publisher:** Elsevier Ltd

**ISSN:** 02728842

**CODEN:** CINND

30) Rout, S., Biswal, G.R.

**Integration of distributed generations by coordinating electric vehicle charging station in medium voltage network by Swarm intelligence**

(2023) 20 (6), pp. 1097-1111. Cited 2 times.

**DOI:** 10.1108/WJE-03-2022-0105

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**Publisher:** Emerald Publishing

**ISSN:** 17085284

31) Ramana, B.V.<sup>a</sup>, Panda, N.<sup>b</sup>, Teja, S.<sup>a</sup>, Mohapatra, H.<sup>b</sup>, Dalai, A.K.<sup>c</sup>, Majhi, S.K.<sup>d</sup>

**Improved Chaotic Grey Wolf Optimization for Training Neural Networks**

(2023) 82 (11), pp. 1193-1207. Cited 1 time.

**DOI:** 10.56042/jsir.v82i11.5322

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**Publisher:** National Institute of Science Communication and Policy Research

**ISSN:** 00224456

32) Mohanty, S.K.<sup>a</sup>, Behera, B.<sup>b</sup>, Parida, B.N.<sup>c</sup>, Parid, R.K.<sup>d</sup>, Das, P.R.<sup>e</sup>

**Impact of KBiTiO3 in optical and ferroelectric behavior of NaNbO3 solid solution**

(2023) 34 (32), art. no. 2126, . Cited 2 times.

**DOI:** 10.1007/s10854-023-11517-0

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**Publisher:** Springer

ISSN: 09574522

33) Swain, P.K., Biswal, T.

**Assessment of groundwater quality in terms of water quality index (WQI) and fluoride contamination of Nuapada District, Odisha, India**

(2023) 13 (11), art. no. 218, . Cited 2 times.

DOI: 10.1007/s13201-023-02030-0

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**Publisher:** Springer Science and Business Media Deutschland GmbH

ISSN: 21905487

34) Dash, P.P.<sup>a</sup>, Mohanty, P.<sup>a</sup>, Behera, S.<sup>a</sup>, Behura, R.<sup>a</sup>, Palai, B.B.<sup>d</sup>, Nath, B.<sup>b</sup>, Sahoo, S.K.<sup>c</sup>, Jali, B.R.<sup>a</sup>

**Pyrene-based fluorescent chemosensor for rapid detection of water and its applications**

(2023) 219, pp. 127-138. Cited 9 times.

DOI: 10.1016/j.ymeth.2023.10.006

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**Publisher:** Academic Press Inc.

ISSN: 10462023

CODEN: MTHDE

35) Naik, N.K.<sup>a</sup>, Sethy, P.K.<sup>a</sup>, Amat, R.<sup>a</sup>, Behera, S.K.<sup>b</sup>, Biswas, P.<sup>c</sup>

**Evaluation of optimization techniques with support vector machine for identification of dry beans**

(2023) 32 (2), pp. 704-714. Cited 1 time.

DOI: 10.11591/ijeecs.v32.i2.pp704-714

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**Publisher:** Institute of Advanced Engineering and Science

ISSN: 25024752

36) Panigrahi, S.P.<sup>a</sup>, Swain, D.<sup>b</sup>

**(Un-)Just Proceedings: Assessment of Social Impact-Evidence from Employee Suspension Practice in India**

(2023) 170 (2), pp. 543-560.

DOI: 10.1007/s11205-023-03211-9

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**Publisher:** Springer Science and Business Media B.V.

ISSN: 03038300

- 37) Sahoo, G.<sup>a</sup>, Sahu, R.K.<sup>a</sup>, Panda, S.<sup>b</sup>, Samal, N.R.<sup>c</sup>, Arya, Y.<sup>d</sup>  
**Modified Harris Hawks Optimization-Based Fractional-Order Fuzzy PID Controller for Frequency Regulation of Multi-Micro-Grid**  
 (2023) 48 (11), pp. 14381-14405. Cited 21 times.

DOI: 10.1007/s13369-023-07613-2

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**Publisher:** Institute for Ionics

ISSN: 2193567X

- 38) Sharma, R., Kar, P.K., Dash, S.  
**Adsorption of a Styrylpyridinium Dye on Silica and Modified Silica Surfaces from Some Binary Solvent Mixtures—Should We Call It Solvent-Induced Preferential Adsorption?**  
 (2023) 127 (41), pp. 20539-20548.

DOI: 10.1021/acs.jpcc.3c05023

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**Publisher:** American Chemical Society

ISSN: 19327447

- 39) Tripathy, S.<sup>a</sup>, Sahu, S.<sup>b c</sup>, Patel, R.K.<sup>b</sup>, Panda, R.B.<sup>a</sup>, Kar, P.K.<sup>a</sup>  
**A detailed insight into the adsorption efficiency of Cr(VI) by a novel polypyrrole modified kendu (Diospyros melanoxylon Roxb) seed biochar**  
 (2023) 829, art. no. 140759, . Cited 5 times.

DOI: 10.1016/j.cplett.2023.140759

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**Publisher:** Elsevier B.V.

ISSN: 00092614

CODEN: CHPLB

- 40) Zhang, Y.<sup>a b</sup>, Zhang, J.<sup>c d</sup>, Li, J.<sup>a b</sup>, Sahoo, M.P.K.<sup>e</sup>, He, X.<sup>f</sup>, Wang, J.<sup>c d</sup>, Ghosez, P.<sup>f</sup>  
**Displacive phase transitions in infinite-layer nickelates from first- and second-principles calculations**  
 (2023) 108 (16), art. no. 165117, . Cited 2 times.

DOI: 10.1103/PhysRevB.108.165117

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**Publisher:** American Physical Society

**ISSN:** 24699950

41) Mohan, I.<sup>a</sup>, Panda, A.K.<sup>b</sup>, Mandal, S.<sup>c</sup>, Kumar, S.<sup>a d</sup>

**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)**

(2023) 350, art. no. 128765, . Cited 19 times.

**DOI:** 10.1016/j.fuel.2023.128765

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**Publisher:** Elsevier Ltd

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**CODEN:** FUELA

42) Kumar Dash, P., Kumar Parhi, S., Kumar Patro, S., Panigrahi, R.

**Efficient machine learning algorithm with enhanced cat swarm optimization for prediction of compressive strength of GGBS-based geopolymer concrete at elevated temperature**

(2023) 400, art. no. 132814, . Cited 22 times.

**DOI:** 10.1016/j.conbuildmat.2023.132814

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**Publisher:** Elsevier Ltd

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43) Mohan, I.<sup>a</sup>, Sahoo, A.<sup>b</sup>, Panda, A.K.<sup>c</sup>, Mandal, S.<sup>d</sup>, Kumar, S.<sup>a e</sup>

**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**

(2023) 11 (5), art. no. 111039, . Cited 8 times.

**DOI:** 10.1016/j.jece.2023.111039

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**Publisher:** Elsevier Ltd

**ISSN:** 22133437

- 44) Venugopal, G.<sup>a</sup>, Udayakumar, A.K.<sup>b</sup>, Saha, N.<sup>c</sup>, Anushkannan, N.K.<sup>d</sup>, Balashanmugham, A.<sup>e</sup>, B. ., V.<sup>f</sup>  
**Augmented energy transformative intrinsic algorithm based improved power quality in fuel cell driven dynamic voltage restorer**  
 (2023) 111, art. no. 108952, . Cited 3 times.

**DOI:** 10.1016/j.compeleceng.2023.108952

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**Publisher:** Elsevier Ltd

**ISSN:** 00457906

**CODEN:** CPEEB

- 45) Krishna, M.M.<sup>a</sup>, Majhi, S.K.<sup>a</sup>, Panda, N.<sup>b</sup>  
**A MapReduce hybridized spotted hyena optimizer algorithm for travelling salesman problem**  
 (2023) 15 (7), pp. 3873-3887. Cited 3 times.

**DOI:** 10.1007/s41870-023-01454-w

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**Publisher:** Springer Science and Business Media B.V.

**ISSN:** 25112104

- 46) Das, S.<sup>a</sup>, Nayak, M.<sup>b</sup>, Senapati, M.R.<sup>c</sup>  
**Improving Time Series Prediction with Deep Belief Network**  
 (2023) 104 (5), pp. 1103-1118. Cited 2 times.

**DOI:** 10.1007/s40031-023-00912-0

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**Publisher:** Springer

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- 47) Das, A.K.<sup>a</sup>, Mohapatra, T.<sup>b</sup>, Panda, A.K.<sup>c</sup>, Mishra, M.<sup>d</sup>, Kumar, S.<sup>e</sup>  
**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**  
 (2023) 110, art. no. 101359, . Cited 4 times.

**DOI:** 10.1016/j.joei.2023.101359

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**Publisher:** Elsevier B.V.

**ISSN:** 17439671

- 48) Hota, A.K.<sup>a</sup>, Sethi, K.<sup>a</sup>, Sooksood, K.<sup>b</sup>, Mohapatra, S.K.<sup>c</sup>  
**A High-Q Floating Active Inductor Based VCO for L-Band and Lower C-Band Applications in 180 nm CMOS Technology**  
 (2023) 104 (5), pp. 1023-1033. Cited 1 time.

**DOI:** 10.1007/s40031-023-00910-2

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**Publisher:** Springer

**ISSN:** 22502106

- 49) Mahapatra, P.M.<sup>a</sup>, Aech, S.<sup>a</sup>, Dash, S.R.<sup>a</sup>, Tripathy, U.P.<sup>b</sup>, Mishra, P.K.<sup>c</sup>, Panda, A.K.<sup>a</sup>  
**Co-pyrolysis of discarded bakelite with polystyrene to fuel: Thermokinetic, thermodynamic, synergetic analysis and batch pyrolysis studies**  
 (2023) 110, art. no. 101336, . Cited 8 times.

**DOI:** 10.1016/j.joei.2023.101336

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**Publisher:** Elsevier B.V.

**ISSN:** 17439671

- 50) Ray, A.<sup>a b</sup>, Kumar, M.<sup>a b</sup>, Karim, A.A.<sup>a</sup>, Biswas, K.<sup>a</sup>, Mohanty, S.<sup>a</sup>, Shadangi, K.P.<sup>c</sup>, Kumar, S.<sup>d</sup>, Sarkar, B.<sup>e</sup>  
**Potassium-phosphorus-sulfur augmented biochar production from potentially toxic elements abated gypsum pond wastewater of phosphate fertilizer industry**  
 (2023) 11 (5), art. no. 110404, . Cited 5 times.

**DOI:** 10.1016/j.jece.2023.110404

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**Publisher:** Elsevier Ltd

ISSN: 22133437

- 51) Behera, S.K.<sup>a</sup>, Mishra, S.<sup>b</sup>, Mohapatra, M.<sup>c</sup>  
**Deciphering the interaction of galactomannan polysaccharide guar gum and bile salt sodium deoxycholate**  
(2023) 77 (10), pp. 6147-6157.

DOI: 10.1007/s11696-023-02928-8

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**Publisher:** Springer Science and Business Media Deutschland GmbH

ISSN: 03666352

CODEN: CHPAE

- 52) Nayak, S.R.<sup>a</sup>, Khadanga, R.K.<sup>a</sup>, Arya, Y.<sup>b</sup>, Panda, S.<sup>c</sup>, Sahu, P.R.<sup>d</sup>  
**Influence of ultra-capacitor on AGC of five-area hybrid power system with multi-type generations utilizing sine cosine adopted dingo optimization algorithm**  
(2023) 223, art. no. 109513, . Cited 13 times.

DOI: 10.1016/j.epsr.2023.109513

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**Publisher:** Elsevier Ltd

ISSN: 03787796

CODEN: EPSRD

- 53) Behera, A.<sup>a</sup>, Dehury, J.<sup>b</sup>, Rayaguru, B.P.<sup>b</sup>  
**The Consequence of SiC Filler Content on the Mechanical, Thermal, and Structural Properties of a Jute/Kevlar Reinforced Epoxy Hybrid Composite**  
(2023) 15 (15), pp. 6509-6519. Cited 4 times.

DOI: 10.1007/s12633-023-02543-y

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**Publisher:** Springer Science and Business Media B.V.

ISSN: 1876990X

- 54) Prusty, S.R., Behera, D., Panigrahi, R., Jena, S.  
**Improvement of Durability Aspects of CAC-Based Alkali-Activated Concrete**  
(2023) 47 (5), pp. 2879-2897. Cited 1 time.

DOI: 10.1007/s40996-023-01098-7

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 22286160

55) Kar, S.<sup>a</sup>, Mishra, S.<sup>b</sup>, Pattnaik, S.<sup>a</sup>, Sutar, M.K.<sup>a</sup>

**Impact of nano-marble dust on characteristic development of sisal-jute hybrid composites**  
(2023) 237 (20), pp. 4759-4768. Cited 2 times.

**DOI:** 10.1177/09544062231154083

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**Publisher:** SAGE Publications Ltd

**ISSN:** 09544062

**CODEN:** PMCSE

56) Sikder, A.<sup>a</sup>, Mishra, J.<sup>b c</sup>, Krishna, R.S.<sup>d</sup>, Ighalo, J.O.<sup>e f</sup>

**Evaluation of the Mechanical and Durability Properties of Geopolymer Concrete Prepared with C-Glass Fibers**  
(2023) 48 (10), pp. 12759-12774. Cited 10 times.

**DOI:** 10.1007/s13369-022-07558-y

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**Publisher:** Institute for Ionics

**ISSN:** 2193567X

57) Pradhan, A., Senapati, M.R., Sahu, P.K.

**ABET: an affective emotion-topic method of biterns for emotion recognition from the short texts**  
(2023) 14 (10), pp. 13451-13463. Cited 2 times.

**DOI:** 10.1007/s12652-022-03799-9

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 18685137

58) Sahoo, S.<sup>a</sup>, Parida, S.P.<sup>b</sup>, Jena, P.C.<sup>a</sup>

**Dynamic response of a laminated hybrid composite cantilever beam with multiple cracks & moving mass**  
(2023) 87 (6), pp. 529-540. Cited 16 times.

**DOI:** 10.12989/sem.2023.87.6.529

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**Publisher:** Techno-Press

**ISSN:** 12254568

**CODEN:** SEGME

59) Behera, H.K., Das, S.S., Giri, D.

**Effects of a two-phase mixing process on warm-mix asphalt by factorial analysis**

(2023) 177 (5), pp. 267-285. Cited 1 time.

**DOI:** 10.1680/jcoma.23.00039

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**Publisher:** ICE Publishing

**ISSN:** 1747650X

60) Chanda, S.S.<sup>a</sup>, Patel, S.K.<sup>a</sup>, Nayak, A.N.<sup>a</sup>, Mohanty, C.R.<sup>b</sup>

**Performance evaluation on bond, durability, micro-structure, cost effectiveness and environmental impacts of fly ash cenosphere based structural lightweight concrete**

(2023) 397, art. no. 132429, . Cited 10 times.

**DOI:** 10.1016/j.conbuildmat.2023.132429

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**Publisher:** Elsevier Ltd

**ISSN:** 09500618

**CODEN:** CBUME

61) Pany, R.<sup>a</sup>, Rath, A.<sup>b</sup>, Swain, P.C.<sup>a</sup>

**Water quality assessment for River Mahanadi of Odisha, India using statistical techniques and Artificial Neural Networks**

(2023) 417, art. no. 137713, . Cited 17 times.

**DOI:** 10.1016/j.jclepro.2023.137713

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**Publisher:** Elsevier Ltd

**ISSN:** 09596526

**CODEN:** JCROE

62) Bhatta, S.K.<sup>a</sup>, Mohapatra, S.<sup>a</sup>, Sahu, P.C.<sup>b</sup>, Swain, S.C.<sup>a</sup>, Panda, S.<sup>c</sup>

**Novel QO-PFA governed FO-type-II fuzzy controller for LFC of thermo-electric generator based hybrid power system**

(2023) 5, art. no. 100249, . Cited 8 times.

**DOI:** 10.1016/j.prime.2023.100249

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**Publisher:** Elsevier Ltd

**ISSN:** 27726711

- 63) Sahu, U.K.<sup>a</sup>, Tripathy, S.<sup>b</sup>, Gouda, N.<sup>c</sup>, Mohanty, H.S.<sup>d</sup>, Sahu, M.K.<sup>a</sup>, Panda, S.P.<sup>a</sup>, Krishna, Y.M.<sup>a</sup>, Samantaray, S.<sup>a</sup>, Kumar, V.S.R.<sup>a</sup>, Banu, N.<sup>a</sup>, Acharya, S.<sup>a</sup>, Jawad, A.H.<sup>e</sup>

**Activated Carbon–Modified Iron Oxide Nanoparticles for Cr(VI) Removal: Optimization, Kinetics, Isotherms, Thermodynamics, Regeneration, and Mechanism Study**  
(2023) 234 (9), art. no. 561, . Cited 8 times.

**DOI:** 10.1007/s11270-023-06588-y

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**Publisher:** Institute for Ionics

**ISSN:** 00496979

**CODEN:** WAPLA

- 64) Behera, S.<sup>a</sup>, Aljahdaly, N.H.<sup>b</sup>

**Nonlinear evolution equations and their traveling wave solutions in fluid media by modified analytical method**  
(2023) 97 (3), art. no. 130, . Cited 21 times.

**DOI:** 10.1007/s12043-023-02602-4

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**Publisher:** Springer

**ISSN:** 03044289

**CODEN:** PRAMC

- 65) Kumar, N.<sup>a</sup>, Kumar, A.<sup>a</sup>, Sethy, S.<sup>b</sup>, Das, S.R.<sup>b</sup>

**Investigation and optimization in electrochemical arc drilling of Ni55.7Ti nickel–titanium shape memory alloy with molybdenum electrode**  
(2023) 45 (9), art. no. 448, . Cited 7 times.

**DOI:** 10.1007/s40430-023-04374-9

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 16785878

- 66) Mishra, D., Kar, A.K.

**River mouth shifting and shoreline change analysis of Mangala river mouth at Puri coastline**

(2023) 118 (3), pp. 2019-2036. Cited 1 time.

**DOI:** 10.1007/s11069-023-06069-9

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Kar A.K.; Civil Engineering Department, India; email: anilkarhy@gmail.com

**Publisher:** Springer Science and Business Media B.V.

**ISSN:** 0921030X

67) Nutipalli, P., Das, P.K.

**Efficient Dynamic Load Balancing in Cloud Network**

(2023) 4 (5), art. no. 594, . Cited 1 time.

**DOI:** 10.1007/s42979-023-02015-5

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**Publisher:** Springer

**ISSN:** 2662995X

68) Mandhata, C.P.<sup>a</sup>, Bishoyi, A.K.<sup>a</sup>, Sahoo, C.R.<sup>a e</sup>, Swain, S.<sup>a</sup>, Bej, S.<sup>a</sup>, Jali, B.R.<sup>b</sup>, Meher, R.K.<sup>c</sup>, Dubey, D.<sup>d</sup>, Padhy, R.N.<sup>a</sup>

**Investigation of in vitro antimicrobial, antioxidant and antiproliferative activities of Nostoc calcicola biosynthesized gold nanoparticles**

(2023) 46 (9), pp. 1341-1350. Cited 6 times.

**DOI:** 10.1007/s00449-023-02905-1

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 16157591

**CODEN:** BBEIB

69) Pemmada, S.K.<sup>a</sup>, Nayak, J.<sup>b</sup>, Naik, B.<sup>c</sup>

**A deep intelligent framework for software risk prediction using improved firefly optimization**

(2023) 35 (26), pp. 19523-19539. Cited 2 times.

**DOI:** 10.1007/s00521-023-08756-x

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**Publisher:** Springer Science and Business Media Deutschland GmbH

ISSN: 09410643

- 70) Barfungpa, S.P.<sup>a b</sup>, Samantaray, L.<sup>c</sup>, Kumar Deva Sarma, H.<sup>d</sup>, Panda, R.<sup>e</sup>, Abraham, A.<sup>f</sup>  
**D-t-SNE: Predicting heart disease based on hyper parameter tuned MLP**  
 (2023) 86, art. no. 105129, . Cited 6 times.

DOI: 10.1016/j.bspc.2023.105129

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**Publisher:** Elsevier Ltd

ISSN: 17468094

- 71) Sahoo, M.<sup>a</sup>, Sahoo, H.K.<sup>b</sup>  
**Performance Analysis of 5 G Wireless Hybrid Precoding Using Evolutionary Algorithms**  
 (2023) 20 (5), pp. 2317-2330. Cited 1 time.

DOI: 10.1007/s42235-023-00377-3

<sup>a</sup> Department of ECE, ITER, Siksha O Anusandhan University, Jagamara, Odisha, Bhubaneswar, 751030, India

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**Publisher:** Springer

ISSN: 16726529

- 72) Bhattacharyya, M.<sup>a</sup>, Shadangi, K.P.<sup>b</sup>, Mahanta, P.<sup>c d</sup>, Mohanty, K.<sup>a e</sup>  
**Thermo-catalytic pyrolysis of sawdust by a synthesized NiO/Al<sub>2</sub>O<sub>3</sub> composite catalyst: investigation on its reaction mechanism, kinetics, and thermodynamics**  
 (2023) 77 (9), pp. 4877-4903. Cited 1 time.

DOI: 10.1007/s11696-023-02826-z

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**Publisher:** Springer Science and Business Media Deutschland GmbH

ISSN: 03666352

CODEN: CHPAE

- 73) Mohanty, D., Panda, S.  
**Multi-objective salp swarm algorithm-based fractional order fuzzy precompensated PDPI controller for frequency regulation of hybrid power system**  
 (2023) 36 (5), art. no. e3094, . Cited 3 times.

DOI: 10.1002/jnm.3094

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**Publisher:** John Wiley and Sons Ltd

**ISSN:** 08943370

**CODEN:** IJNFE

- 74) Sethy, P.K.<sup>a</sup>, Panigrahi, M.<sup>b</sup>, Vijayakumar, K.<sup>c</sup>, Behera, S.K.<sup>d</sup>  
**Machine learning based classification of EEG signal for detection of child epileptic seizure without snipping**  
 (2023) 26 (3), pp. 559-570. Cited 31 times.

**DOI:** 10.1007/s10772-021-09855-7

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**Publisher:** Springer

**ISSN:** 13812416

**CODEN:** ISTEJ

- 75) Prusty, S.R.<sup>a</sup>, Jena, S.<sup>b</sup>, Panigrahi, R.<sup>b</sup>  
**ASSESSMENT OF ACID AND CHLORIDE RESISTANCE OF FERROCHROME SLAG-BASED GEOPOLYMER CONCRETE**  
 (2023) 97 (8), pp. 35-42. Cited 1 time.

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**Publisher:** Associated Cement Companies Ltd.

**ISSN:** 00194565

**CODEN:** ICJOA

- 76) Panigrahi, M.R., Sahoo, A.K.  
**Crystallographic parameters of Bi2O3 and reduced Graphene-Bi2O3 nano-composite thin film**  
 (2023) 100 (8), art. no. 101070, . Cited 2 times.

**DOI:** 10.1016/j.jics.2023.101070

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**Publisher:** Elsevier B.V.

**ISSN:** 00194522

**CODEN:** JICSA

- 77) Kumar, N.<sup>a</sup>, Kumar, A.<sup>a</sup>, Das, S.R.<sup>b</sup>  
**Electrochemical arc drilling of nickel-Titanium shape memory alloy using molybdenum electrode: Investigation, modeling and optimization**  
 (2023) 30 (8), art. no. 2350057, .

**DOI:** 10.1142/S0218625X23500579

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**Publisher:** World Scientific

**ISSN:** 0218625X

**CODEN:** SRLEF

78) Dash, A.K., Singh, P.P., Nath, G.

**Estimation of reflection loss in a microwave absorbing material based on the laser speckle method**  
(2023) 20 (8), art. no. 086004, . Cited 1 time.

**DOI:** 10.1088/1612-202X/ace2b3

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**Publisher:** Institute of Physics

**ISSN:** 16122011

79) Behura, R.<sup>a</sup>, Mohanty, P.<sup>a</sup>, Sahu, G.<sup>b</sup>, Dash, P.P.<sup>a</sup>, Behera, S.<sup>a</sup>, Dinda, R.<sup>b</sup>, Hota, P.R.<sup>b</sup>, Sahoo, H.<sup>b</sup>, Bhaskaran, R.<sup>c</sup>, Barick, A.K.<sup>a</sup>, Mohapatra, P.<sup>a</sup>, Jali, B.R.<sup>a</sup>

**A highly selective Schiff base fluorescent sensor for Zn<sup>2+</sup>, Cd<sup>2+</sup> and Hg<sup>2+</sup> based on 2,4-dinitrophenylhydrazine derivative**

(2023) 154, art. no. 110959, . Cited 14 times.

**DOI:** 10.1016/j.inoche.2023.110959

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**Publisher:** Elsevier B.V.

**ISSN:** 13877003

**CODEN:** ICCOF

80) Biswal, G.<sup>a</sup>, Behera, N.<sup>a</sup>, Mohapatra, R.N.<sup>b</sup>, Padhan, S.K.<sup>c</sup>

**A pair of Mond–Weir type third order symmetric duality**

(2023) 69 (4), pp. 3391-3402.

**DOI:** 10.1007/s12190-023-01884-6

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**Publisher:** Institute for Ionics

**ISSN:** 15985865

81) Sahu, U.K.<sup>a</sup>, Tripathy, S.<sup>b</sup>, Gouda, N.<sup>c</sup>, Mohanty, H.S.<sup>d</sup>, Dhannjaya, B.<sup>a</sup>, Choudhury, V.K.<sup>a</sup>, Sahu, A.<sup>a</sup>, Gouda, A.<sup>a</sup>

**Eco-friendly neem leaf-based activated carbon for methylene blue removal from aqueous solution: adsorption kinetics, isotherms, thermodynamics and mechanism studies**

(2023) 20 (8), pp. 2057-2067. Cited 7 times.

**DOI:** 10.1007/s13738-023-02826-6

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 1735207X

**CODEN:** JICSC

- 82) Kumar, A.<sup>a</sup>, Lakshmipathi, A.R.<sup>b</sup>, Nagabhooshanam, N.<sup>c</sup>, Sahu, S.K.<sup>d</sup>, Patil, P.P.<sup>e</sup>, Satyanarayana, V.<sup>c</sup>, Praveen, N.<sup>c</sup>  
**Effect of Adding Rice Husk Ash Functional Silicon Additives on Flammability Wear and Thermal Stability of Ramie-Epoxy Composite**  
 (2023) 15 (13), pp. 5615-5622.

**DOI:** 10.1007/s12633-023-02463-x

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**Publisher:** Springer Science and Business Media B.V.

**ISSN:** 1876990X

- 83) Sonker, S.<sup>a</sup>, Devi, N.<sup>a</sup>, Bhusan Jena, B.<sup>b</sup>, Kumar Paikray, S.<sup>c</sup>  
**Approximation and simulation of signals via harmonic Banach summable factors of Fourier series**  
 (2023) 46 (12), pp. 13411-13422. Cited 1 time.

**DOI:** 10.1002/mma.9260

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**Publisher:** John Wiley and Sons Ltd

**ISSN:** 01704214

**CODEN:** MMSCD

- 84) Sahu, T.<sup>a</sup>, Tripathy, M.C.<sup>b</sup>, Sahoo, S.P.<sup>c</sup>  
**An intelligent fractional-order system for the biological parameters regulations**  
 (2023) 11 (4), pp. 1880-1894. Cited 2 times.

**DOI:** 10.1007/s40435-022-01088-z

<sup>a</sup> Department of Electronics and Telecommunication Engineering, BPUT, Odisha, Rourkela, 769015, India

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 2195268X

85) Ray, R.<sup>a</sup>, Mohanty, A.<sup>a</sup>, Patro, P.<sup>a</sup>, Senapati, S.K.<sup>b</sup>

**Performance improvement of a heat sink with triangular slotted and interrupted fins: A computational study** (2023) 230, art. no. 120783, . Cited 5 times.

**DOI:** 10.1016/j.applthermaleng.2023.120783

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**Publisher:** Elsevier Ltd

**ISSN:** 13594311

**CODEN:** ATENF

86) Parhi, S.K., Patro, S.K.

**Prediction of compressive strength of geopolymer concrete using a hybrid ensemble of grey wolf optimized machine learning estimators**

(2023) 71, art. no. 106521, . Cited 59 times.

**DOI:** 10.1016/j.job.2023.106521

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Patro S.K.; Department of Civil Engineering, Odisha, India; email: litusanjay@yahoo.com

**Publisher:** Elsevier Ltd

**ISSN:** 23527102

87) Parhi, B., Bharatiya, D., Swain, S.K.

**Dielectric study of nanostructured ternary composite derived from amalgamated CuO/Ag<sub>2</sub>O on graphene oxide sheets**

(2023) 38 (13), pp. 3395-3406. Cited 1 time.

**DOI:** 10.1557/s43578-023-01068-9

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**Publisher:** Springer Nature

**ISSN:** 08842914

**CODEN:** JMREE

88) Rao, D.C.<sup>a</sup>, Sharma, S.<sup>b</sup>, Nayak, S.K.<sup>c</sup>, Srichandan, S.K.<sup>a</sup>, Dash, A.<sup>d</sup>

**A Novel Modified and Optimized Meta-Heuristic Load-Balancing Technique for Cloud Computing System**

(2023) 11 (9s), pp. 598-611. Cited 1 time.

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**Publisher:** Ismail Saritas

**ISSN:** 21476799

- 89) Arshay, M.<sup>a</sup>, Daniel, R.<sup>b</sup>, Rao, D.D.<sup>c</sup>, Raja, E.<sup>d</sup>, Rao, D.C.<sup>e</sup>, Deshpande, A.<sup>f</sup>  
**Optimizing Routing in Nature-Inspired Algorithms to Improve Performance of Mobile Ad-Hoc Network**  
 (2023) 11 (8), pp. 508-516. Cited 44 times.

<sup>a</sup> Department of Computer Science and Engineering, SCMS School Of Engineering And Technology, India

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<sup>f</sup> Department of Computer Science and Engineering, Mewar University, Rajasthan, Gangrar, India

**Publisher:** Ismail Saritas

**ISSN:** 21476799

- 90) Jagtap, M.T.<sup>a</sup>, Nanda, I.<sup>b</sup>, Khankal, D.V.<sup>c</sup>, Pund, S.S.<sup>d</sup>, Nimisha<sup>e</sup>, Rao, D.C.<sup>f</sup>  
**An Improved Gaussian Procedure Regression-founded Predicting Prototype for COVID-19 Eruption and Implication of IoT for its Recognition**  
 (2023) 11 (8), pp. 545-551.

<sup>a</sup> Department of Computer Engineering, Savitribai Phule Pune University (SPPU), Maharashtra, Pune, Nashik, India

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<sup>f</sup> Information Technology, Veer Surendra Sai University of Technology, Burla, India

**Publisher:** Ismail Saritas

**ISSN:** 21476799

- 91) Sahu, S., Behera, S.  
**Comparison of adaptive pitch control strategies for a wind turbine benchmark model**  
 (2023) 20 (4), pp. 773-785. Cited 1 time.

**DOI:** 10.1108/WJE-07-2021-0450

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**Publisher:** Emerald Publishing

**ISSN:** 17085284

- 92) Agrawal, A., Panda, J.P.  
**Impact of radiation on MHD flow with hall effect and induced magnetic field over magnetized vertical surface**  
 (2023) 45 (4), pp. 483-493.

Department of Mathematics, Veer Surendra Sai University of Technology, Odisha, Burla, India

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Panda J.P.; Department of Mathematics, Odisha, India; email: jppanda\_math@vssut.ac.in

**Publisher:** Prince of Songkla University

**ISSN:** 01253395

- 93) Sahoo, A.<sup>a</sup>, Hota, P.K.<sup>a</sup>, Sahu, P.R.<sup>b</sup>, Alsaif, F.<sup>c</sup>, Alsulamy, S.<sup>d</sup>, Ustun, T.S.<sup>e</sup>  
**Optimal Congestion Management with FACTS Devices for Optimal Power Dispatch in the Deregulated Electricity Market**  
(2023) 12 (7), art. no. 614, . Cited 11 times.
- DOI:** 10.3390/axioms12070614
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Ustun T.S.; Fukushima Renewable Energy Institute, Japan; email: selim.ustun@aist.go.jp
- Publisher:** Multidisciplinary Digital Publishing Institute (MDPI)
- ISSN:** 20751680
- 94) Samantaray, L.<sup>a</sup>, Panda, R.<sup>b</sup>, Naik, M.K.<sup>c</sup>, Abraham, A.<sup>d</sup>  
**A novel adaptive class weight adjustment-based multiclass segmentation error minimization technique for COVID-19 X-ray image analysis**  
(2023) 33 (4), pp. 1177-1193.
- DOI:** 10.1002/ima.22916
- <sup>a</sup> Department of Electronics and Communication Engineering, Ajay Binay Institute of Technology, Cuttack, India  
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- Publisher:** John Wiley and Sons Inc
- ISSN:** 08999457  
**CODEN:** IJITE
- 95) Das, P.P., Mohanty, P., Barick, A.K., Mohapatra, P., Jali, B.R.  
**A Versatile Molecular Probe of Napthalimide-Derivative for Zn(II) Sensor: A Mini-Review**  
(2023) 20 (7), art. no. 5005, . Cited 3 times.
- DOI:** 10.48048/tis.2023.5005
- Department of Chemistry, Veer Surendra Sai University of Technology, Odisha768018, India
- Correspondence Address**  
Jali B.R.; Department of Chemistry, Odisha, India; email: bigyan.Jali7@gmail.com
- Publisher:** Walailak University
- ISSN:** 27740226
- 96) Sahoo, D.R., Biswal, T.  
**Complex catalyzed synthesis and prediction of properties of poly(acrylonitrile-co-acrylamide)/crab shell powder composites by using artificial neural network**  
(2023) 44 (7), pp. 4178-4189. Cited 3 times.
- DOI:** 10.1002/pc.27389
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Biswal T.; Department of Chemistry, Odisha, India; email: biswal.trinath@gmail.com

**Publisher:** John Wiley and Sons Inc

**ISSN:** 02728397

**CODEN:** PCOMD

97) Patra, S., Purohit, S.S., Swain, S.K.

**In vivo fluorescence non-enzymatic glucose sensing technique for diabetes management by CQDs incorporated dextran nanocomposites in human blood serums**

(2023) 190, art. no. 108646, . Cited 7 times.

**DOI:** 10.1016/j.microc.2023.108646

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**Publisher:** Elsevier Inc.

**ISSN:** 0026265X

**CODEN:** MICJA

98) Mohanty, R.K., Sahoo, S.P., Kabat, M.R.

**Sustainable remote patient monitoring in wireless body area network with Multi-hop routing and scheduling: a four-fold objective based optimization approach**

(2023) 29 (5), pp. 2337-2351. Cited 12 times.

**DOI:** 10.1007/s11276-023-03276-x

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**Publisher:** Springer

**ISSN:** 10220038

**CODEN:** WINEF

99) Khadanga, R.K.<sup>a</sup>, Das, D.<sup>b</sup>, Kumar, A.<sup>c</sup>, Panda, S.<sup>d</sup>

**Sine augmented scaled arithmetic optimization algorithm for frequency regulation of a virtual inertia control based microgrid**

(2023) 138, pp. 534-545. Cited 27 times.

**DOI:** 10.1016/j.isatra.2023.02.025

<sup>a</sup> Department of Electrical and Electronics Engineering, Centurion University of Technology and Management, Odisha, Bhubaneswar, 761008, India

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**Publisher:** ISA - Instrumentation, Systems, and Automation Society

**ISSN:** 00190578

**CODEN:** ISATA

100) Mishra, K.<sup>a</sup>, Majhi, S.K.<sup>b</sup>

**A novel improved hybrid optimization algorithm for efficient dynamic medical data scheduling in cloud-based systems for biomedical applications**

(2023) 82 (18), pp. 27087-27121. Cited 4 times.

**DOI:** 10.1007/s11042-023-14448-4

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**Publisher:** Springer

**ISSN:** 13807501

**CODEN:** MTAPF

101) Behera, S.<sup>a</sup>, Dash, P.P.<sup>a</sup>, Mohanty, P.<sup>a</sup>, Behura, R.<sup>a</sup>, Sahoo, S.K.<sup>b</sup>, Jali, B.R.<sup>a</sup>

**Water-induced fluorescence turn-on imidazole derivative and its interaction with bovine serum albumin**  
(2023) 1282, art. no. 135158, . Cited 7 times.

**DOI:** 10.1016/j.molstruc.2023.135158

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**Publisher:** Elsevier B.V.

**ISSN:** 00222860

**CODEN:** JMOSB

102) Pradhan, S.<sup>a</sup>, Dhupal, D.<sup>b</sup>

**Machining of aluminium nitride ceramic with a hAJM process using SiC abrasives: Experiments and simulation**  
(2023) 95, pp. 68-90. Cited 10 times.

**DOI:** 10.1016/j.jmapro.2023.04.011

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**Publisher:** Elsevier Ltd

**ISSN:** 15266125

103) Naik, N.K.<sup>a</sup>, Sethy, P.K.<sup>a</sup>, Devi, A.G.<sup>b</sup>, Behera, S.K.<sup>c</sup>

**Hybrid Enhanced Featured AlexNet for Milled Rice Grain Identification**  
(2023) 28 (3), pp. 663-668. Cited 2 times.

**DOI:** 10.18280/isi.280315

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**Publisher:** International Information and Engineering Technology Association

**ISSN:** 16331311

104) Panigrahi, G.R.<sup>a</sup>, Sethy, P.K.<sup>a</sup>, Borra, S.P.R.<sup>b</sup>, Barpanda, N.K.<sup>a</sup>, Behera, S.K.<sup>c</sup>

**Deep ensemble learning for fake digital image detection: A convolutional neural network-based approach**  
(2023) 37 (3), pp. 703-708. Cited 1 time.

**DOI:** 10.18280/ria.370318

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**Publisher:** International Information and Engineering Technology Association

**ISSN:** 0992499X

105) Babu, M.Ku., Ray, P.

**Sensitivity analysis, optimal design, cost and energy efficiency study of a hybrid forecast model using HOMER pro** (2023) 11 (2), art. no. 100033, . Cited 12 times.

**DOI:** 10.1016/j.jer.2023.100033

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**Publisher:** University of Kuwait

**ISSN:** 23071885

106) Prakash, V., Parida, L.

**Vitamin e encapsulated nano-emulsions formulation, rheological and antimicrobial analysis** (2023) 12 (3), pp. 5820-5825.

**DOI:** 10.55522/jmpas.V12I3.5019

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**Publisher:** MEDIC SCIENTIFIC

**ISSN:** 23207418

107) Pittala, R.K.<sup>a</sup>, Sharma, P.<sup>a</sup>, Anne, G.<sup>b</sup>, Patil, S.<sup>c</sup>, Varghese, V.<sup>d</sup>, Das, S.R.<sup>e</sup>, Kumar, C.S.<sup>f</sup><sup>g</sup>, Fernandes, F.<sup>h</sup><sup>i</sup>

**Development and Mechanical Characterization of Ni-Cr Alloy Foam Using Ultrasonic-Assisted Electroplating Coating Technique**

(2023) 13 (6), art. no. 1002, . Cited 7 times.

**DOI:** 10.3390/coatings13061002

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**Publisher:** MDPI

**ISSN:** 20796412

- 108) Padhi, S., Nayak, I.  
**Prediction of flow and thermal criticality of unsteady EMHD second grade fluid through exponentially accelerated vertical porous plate**  
(2023) 138 (6), art. no. 544, . Cited 1 time.  
**DOI:** 10.1140/epjp/s13360-023-04153-4  
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Padhi S.; Department of Mathematics, Odisha, India; email: sukanya.padhi23@gmail.com  
**Publisher:** Springer Science and Business Media Deutschland GmbH  
**ISSN:** 21905444
- 109) Sahoo, S., Jena, P.C.  
**Effect of lamina orientation, crack severity, and fillers on dynamic parameters of hybrid composite cantilever beam with double transverse cracks [Einfluss der Lamellenorientierung, der Risssschwere und der Füllstoffe auf die dynamischen Parameter eines hybriden freitragenden Verbundwerkstoffträgers mit doppelten Querrissen]**  
(2023) 54 (6), pp. 737-750. Cited 8 times.  
**DOI:** 10.1002/mawe.202200205  
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Jena P.C.; Veer Surendra Sai University of Technology, Odisha, India; email: pcjena\_pe@vssut.ac.in  
**Publisher:** John Wiley and Sons Inc  
**ISSN:** 09335137
- 110) Prakash, V., Parida, L.  
**Characterization and rheological behavior of vitamin E nanoemulsions prepared by phase inversion composition technique**  
(2023) 18, art. no. 101175, . Cited 5 times.  
**DOI:** 10.1016/j.rineng.2023.101175  
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**Correspondence Address**  
Parida L.; Chemical Engineering Department, India; email: lparida\_chemical@vssut.ac.in  
**Publisher:** Elsevier B.V.  
**ISSN:** 25901230
- 111) Dutta, B.<sup>a</sup>, Nath Nayak, A.<sup>a</sup>, Dirar, S.<sup>b c</sup>, Nanda, B.<sup>a</sup>, Theofanous, M.<sup>c</sup>  
**Shear strengthening of continuous RC T-beams with deep embedded CFRP and steel bars: A numerical study**  
(2023) 52, pp. 187-204. Cited 5 times.  
**DOI:** 10.1016/j.istruc.2023.03.157  
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Nath Nayak A.; Department of Civil Engineering, Odisha, India; email: nayakan1964@gmail.com  
**Publisher:** Elsevier Ltd  
**ISSN:** 23520124
- 112) Pati, D.K.<sup>a</sup>, Das, P.R.<sup>b</sup>, Padhee, R.<sup>a</sup>  
**Electronic structure, optical and Mössbauer investigations of ferroelectric [Pb(Fe<sub>0.5</sub>Nb<sub>0.5</sub>O<sub>3</sub>)<sub>0.2</sub>-(Ca<sub>0.2</sub>Sr<sub>0.8</sub>TiO<sub>3</sub>)<sub>0.8</sub>]**

(2023) 97 (2), art. no. 53, . Cited 3 times.

**DOI:** 10.1007/s12043-023-02526-z

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**Publisher:** Springer

**ISSN:** 03044289

**CODEN:** PRAMC

113) Vulli, V.<sup>a d</sup>, Varma, R.<sup>b</sup>, Pradhan, D.<sup>b</sup>, Panda, A.K.<sup>c</sup>, Singh, R.K.<sup>b</sup>, Shu, C.-M.<sup>d</sup>

**Thermal degradation behaviour, kinetics, and thermodynamics of Bombax Malabarica seeds through TG-FTIR and Py-GC/MS analysis**

(2023) 57, art. no. 103150, . Cited 10 times.

**DOI:** 10.1016/j.seta.2023.103150

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**Publisher:** Elsevier Ltd

**ISSN:** 22131388

114) Sharma, R., Kar, P.K., Dash, S.

**A paradigm increase in adsorption efficiency during separation of some styrylpyridinium dyes from organic media using graphene oxide modified silica (GOMS) scaffold**

(2023) 35, art. no. 105896, . Cited 3 times.

**DOI:** 10.1016/j.mtcomm.2023.105896

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**Publisher:** Elsevier Ltd

**ISSN:** 23524928

115) Misra, N.K.<sup>a</sup>, Bhoi, B.K.<sup>b</sup>

**Efficient architecture for arithmetic designs using perpendicular NanoMagnetic Logic**

(2023) 36, art. no. 100454, .

**DOI:** 10.1016/j.nancom.2023.100454

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**Publisher:** Elsevier B.V.

**ISSN:** 18787789

116) Purohit, A.<sup>a</sup>, Dehury, J.<sup>b</sup>, Rout, L.N.<sup>b</sup>, Pal, S.<sup>b</sup>

**A Novel Study of Synthesis, Characterization and Erosion Wear Analysis of Glass–Jute Polyester Hybrid**

**Composite**

(2023) 104 (1), pp. 1-9. Cited 16 times.

**DOI:** 10.1007/s40034-023-00268-6

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**Publisher:** Springer

**ISSN:** 22502483

117) Dansana, J.<sup>a</sup>, Kabat, M.R.<sup>b</sup>, Pattnaik, P.K.<sup>a</sup>

**A Novel Optimized Perturbation-Based Machine Learning for Preserving Privacy in Medical Data**

(2023) 130 (3), pp. 1905-1927. Cited 1 time.

**DOI:** 10.1007/s11277-023-10363-x

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**Publisher:** Springer

**ISSN:** 09296212

**CODEN:** WPCOF

118) Dash, P.P.<sup>a</sup>, Mohanty, P.<sup>a</sup>, Behura, R.<sup>a</sup>, Behera, S.<sup>a</sup>, Singla, P.<sup>a</sup>, Sahoo, S.C.<sup>b</sup>, Sahoo, S.K.<sup>c</sup>, Jali, B.R.<sup>a</sup>

**Detection of moisture in DMSO and raw food products by using an anthracene-based fluorescence OFF-ON chemosensor**

(2023) 440, art. no. 114650, . Cited 10 times.

**DOI:** 10.1016/j.jphotochem.2023.114650

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**Publisher:** Elsevier B.V.

**ISSN:** 10106030

**CODEN:** JPPCE

119) Mahapatra, P.M.<sup>a</sup>, Panda, A.K.<sup>a</sup>, Ahmed, S.<sup>b</sup>, Kumar, S.<sup>c</sup>

**Pyrolysis kinetics and thermodynamics of discarded Bakelite**

(2023) 40 (6), pp. 1380-1388. Cited 9 times.

**DOI:** 10.1007/s11814-022-1326-6

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**Publisher:** Springer

**ISSN:** 02561115

120)



Sahu, B.<sup>a</sup>, Das, P.K.<sup>b</sup>, Kumar, R.<sup>a</sup>

**A modified cuckoo search algorithm implemented with SCA and PSO for multi-robot cooperation and path planning**  
(2023) 79, pp. 24-42. Cited 32 times.

**DOI:** 10.1016/j.cogsys.2023.01.005

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**Publisher:** Elsevier B.V.

**ISSN:** 13890417

**CODEN:** CSROA

121) Dwibedy, D., Sahoo, A.K., Panigrahi, M.R.

**Structural and optical characterization of CCBixTi1-x O (for x = 0.04) thin film**  
(2023) 52 (2), pp. 763-775. Cited 3 times.

**DOI:** 10.1007/s12596-022-01034-4

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**Publisher:** Springer

**ISSN:** 09728821

**CODEN:** JOPTB

122) Sahoo, D.R., Biswal, T.

**Synthesis and optimization of properties of Poly (AN-co-AA)/fish bone biocomposite by using artificial neural networks**  
(2023) 80 (6), pp. 6545-6565. Cited 3 times.

**DOI:** 10.1007/s00289-022-04339-3

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 01700839

**CODEN:** POBUD

123) Parida, S.P., Jena, P.C.

**Selective layer-by-layer fillering and its effect on the dynamic response of laminated composite plates using higher-order theory**  
(2023) 29 (11-12), pp. 2473-2488. Cited 17 times.

**DOI:** 10.1177/10775463221081180

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**Publisher:** SAGE Publications Inc.

**ISSN:** 10775463

**CODEN:** JVCOF

124) Ray, P.<sup>a b</sup>, Salkuti, S.R.<sup>c d</sup>

**Development of an Irradiance Meter using Arduino Technology**  
(2023) 16 (1), pp. 33-36.

- <sup>a</sup> Veer Surendra Sai University of Technology (VSSUT), India  
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**Publisher:** Editura Universitatii din Oradea

**ISSN:** 18446035

- 125) Mishra, P.C.<sup>a</sup>, Roychoudhury, A.<sup>b</sup>, Banerjee, A.<sup>b</sup>, Saha, N.<sup>c</sup>, Das, S.R.<sup>d</sup>, Das, A.<sup>e</sup>  
**Coated Piston Ring Pack and Cylinder Liner Elastodynamics in Correlation to Piston Subsystem Elastohydrodynamic: Through FEA Modelling**  
 (2023) 11 (5), art. no. 192, . Cited 4 times.

**DOI:** 10.3390/lubricants11050192

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**Publisher:** MDPI

**ISSN:** 20754442

- 126) Behera, H.K., Giri, D., Das, S.S.  
**Moisture and rutting resistance of recycled polypropylene fiber-modified dense bituminous mix**  
 (2023) 8 (5), art. no. 157, . Cited 1 time.

**DOI:** 10.1007/s41062-023-01118-5

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 23644176

- 127) Singh, J.K.<sup>a b</sup>, Rout, A.K.<sup>a</sup>  
**Study on the physical, mechanical, and thermal behaviour of RHN blend epoxy hybrid composites reinforced by Borassus flabellifer L. fibers**  
 (2023) 30 (8), pp. 5033-5049. Cited 7 times.

**DOI:** 10.1007/s10570-023-05191-y

- <sup>a</sup> Department of Production Engineering, Veer Surendra Sai University of Technology, Odisha, Burla, 768018, India  
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**Publisher:** Springer Science and Business Media B.V.

**ISSN:** 09690239

**CODEN:** CELLE

- 128) Biswal, G.<sup>a</sup>, Agrawal, K.<sup>a</sup>, Pradhan, D.K.<sup>b</sup>, Behera, B.<sup>c</sup>, Das, P.R.<sup>a</sup>  
**Effect of rare earth Nd substitutions on the structural, dielectric, ferroelectric, and electrical characteristics of Pb1**

– **xNd<sub>x</sub>(Fe<sub>0.5</sub>Nb<sub>0.5</sub>)<sub>1-x</sub>O<sub>3</sub> ceramics**  
(2023) 129 (5), art. no. 335, . Cited 1 time.

**DOI:** 10.1007/s00339-023-06597-y

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 09478396

**CODEN:** APAMF

129) Mohan Pattanayak, R.<sup>a</sup>, Sekhar Behera, H.<sup>b</sup>, Panigrahi, S.<sup>c</sup>

**A novel high order hesitant fuzzy time series forecasting by using mean aggregated membership value with support vector machine**

(2023) 626, pp. 494-523. Cited 21 times.

**DOI:** 10.1016/j.ins.2023.01.075

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**Publisher:** Elsevier Inc.

**ISSN:** 00200255

**CODEN:** ISIJB

130) Saha, M.<sup>a</sup>, Panda, S.K.<sup>b</sup>, Panigrahi, S.<sup>a</sup>, Taniar, D.<sup>c</sup>

**An efficient composite cloud service model using multi-criteria decision-making techniques**

(2023) 79 (8), pp. 8754-8788. Cited 6 times.

**DOI:** 10.1007/s11227-022-05013-1

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**Publisher:** Springer

**ISSN:** 09208542

**CODEN:** JOSUE

131) Deshmukh, B.<sup>a</sup>, Kumar Lal, D.<sup>a</sup>, Biswal, S.<sup>b</sup>

**A reconstruction based adaptive fault detection scheme for distribution system containing AC microgrid**

(2023) 147, art. no. 108801, . Cited 15 times.

**DOI:** 10.1016/j.ijepes.2022.108801

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**Publisher:** Elsevier Ltd

**ISSN:** 01420615

**CODEN:** IEPSTD

132) Sahu, N.<sup>a</sup>, Panda, D.<sup>b</sup>, Badjena, S.K.<sup>a</sup>, Sahoo, S.K.<sup>b</sup>, Kar, P.K.<sup>c</sup>

**Multicomponent Flux for Improved Penetration and Metallurgical Properties Using A-GTAW**

(2023) 32 (9), pp. 4237-4248. Cited 6 times.

**DOI:** 10.1007/s11665-022-07383-2

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**Publisher:** Springer

**ISSN:** 10599495

**CODEN:** JMEPE

133) Panda, R.A.<sup>a b</sup>, Mishra, D.<sup>b</sup>

**Mathematical analysis for resonant frequencies of a novel 3-element log periodic patch array**

(2023) 14, pp. 666-673. Cited 2 times.

**DOI:** 10.1007/s13198-022-01716-z

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**Publisher:** Springer

**ISSN:** 09756809

134) Acharya, P.K.<sup>a</sup>, Patro, S.K.<sup>b</sup>

**Evaluation of environmental disturbance indicator using functional performance and life cycle assessment of ferrochrome waste concrete**

(2023) 65, art. no. 105788, . Cited 8 times.

**DOI:** 10.1016/j.job.2022.105788

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**Publisher:** Elsevier Ltd

**ISSN:** 23527102

135) Saini, A.K.<sup>a</sup>, Jali, B.R.<sup>b</sup>, Sahoo, S.K.<sup>a</sup>

**Polyethyleneimine-based fluorescent polymeric nanoparticles: synthesis and application in fluorescence sensing of pH and para-nitrophenol**

(2023) 47 (19), pp. 9250-9256. Cited 2 times.

**DOI:** 10.1039/d3nj01508d

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**Publisher:** Royal Society of Chemistry

**ISSN:** 11440546

**CODEN:** NJCHE

136) Kumar Bhoi, B.<sup>a</sup>, Kumar Misra, N.<sup>b</sup>, Bharti, P.<sup>a</sup>

**Cost-effective architecture of decoder circuits and futuristic scope in the era of nano-computing**  
(2023) 30 (2), pp. 477-491.

**DOI:** 10.24200/sci.2022.58661.5846

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**Publisher:** Sharif University of Technology

**ISSN:** 10263098

137) Mishra, D.K., Pattanaik, R., Behera, G., Dalai, R.P., Badjena, S.K.

**Development of Al-SiC-TiO<sub>2</sub> hybrid composite using powder metallurgy route and the influence of TiO<sub>2</sub> content variation on microstructure and mechanical properties**  
(2023) 114 (4-5), pp. 431-436. Cited 1 time.

**DOI:** 10.1515/ijmr-2022-0085

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**Publisher:** Walter de Gruyter GmbH

**ISSN:** 18625282

138) Saha, N.<sup>a</sup>, Mishra, P.C.<sup>b</sup>

**A Multi-Objective Hybrid BESSA Optimization Scheme for Parameter Extraction from PV Modules**  
(2023) 13 (8), art. no. 4705, . Cited 1 time.

**DOI:** 10.3390/app13084705

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**Publisher:** MDPI

**ISSN:** 20763417

139) Saha, N.<sup>a</sup>, Mishra, P.C.<sup>b</sup>

**Modified Whale Algorithm-Based Optimization for Fractional Order Concurrent Diminution of Torque Ripple in Switch Reluctance Motor for EV Applications**  
(2023) 11 (4), art. no. 1226, . Cited 2 times.

**DOI:** 10.3390/pr11041226

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**Publisher:** Multidisciplinary Digital Publishing Institute (MDPI)

ISSN: 22279717

- 140) Sahoo, S.P.<sup>a</sup>, Das, B.<sup>b</sup>, Pati, B.B.<sup>a</sup>, Garcia Marquez, F.P.<sup>c</sup>, Segovia Ramirez, I.<sup>c</sup>  
**Hybrid Path Planning Using a Bionic-Inspired Optimization Algorithm for Autonomous Underwater Vehicles**  
(2023) 11 (4), art. no. 761, . Cited 12 times.

DOI: 10.3390/jmse11040761

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**Publisher:** MDPI

ISSN: 20771312

- 141) Behera, S.<sup>a b</sup>, Mohanty, J.R.<sup>a</sup>, Nath, G.<sup>b</sup>  
**Synthesis and fabrication of acrylic acid treated rattan fiber epoxy composite**  
(2023) 114 (4-5), pp. 398-404. Cited 2 times.

DOI: 10.1515/ijmr-2022-0307

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**Publisher:** Walter de Gruyter GmbH

ISSN: 18625282

- 142) Das, K.<sup>a</sup>, Das, S.<sup>b</sup>, Panigrahi, S.<sup>c</sup>  
**Energy-Efficient Forecasting of Temperature Data in Sensor Cloud System Using a Hybrid SVM-ANN Method**  
(2023) 129 (4), pp. 2929-2944.

DOI: 10.1007/s11277-023-10265-y

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**Publisher:** Springer

ISSN: 09296212

CODEN: WPCOF

- 143) Mallick, C.<sup>a</sup>, Mishra, S.<sup>b</sup>, Senapati, M.R.<sup>c</sup>  
**A cooperative deep learning model for fake news detection in online social networks**  
(2023) 14 (4), pp. 4451-4460. Cited 13 times.

DOI: 10.1007/s12652-023-04562-4

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 18685137

- 144) Mahapatra, P.M.<sup>a</sup>, Kumar, S.<sup>b</sup>, Panda, A.K.<sup>a</sup>  
**Synergy, kinetics, and thermodynamics analysis in the valorization of waste bakelite through co-pyrolysis with HDPE**  
(2023) 13, art. no. 100601, . Cited 12 times.

**DOI:** 10.1016/j.clet.2023.100601

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**Publisher:** Elsevier Ltd

**ISSN:** 26667908

- 145) Yadav, N.P.<sup>a</sup>, Sahu, B.B.<sup>b</sup>, Mahaling, R.N.<sup>c</sup>, Yadav, T.<sup>d</sup>, Tripathi, P.K.<sup>e</sup>, Moharana, S.<sup>f</sup>  
**Superior dielectric and electrical characteristics of poly(methylmethacrylate) (PMMA)-BiFeO<sub>3</sub>-Polystyrene-2% divinyl benzene (PDB) composites**  
(2023) 277, art. no. 170695, . Cited 5 times.

**DOI:** 10.1016/j.ijleo.2023.170695

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**Publisher:** Elsevier GmbH

**ISSN:** 00304026

- 146) Naik, P., Nayak, A., Patri, S.K.  
**Dielectric Spectroscopy of A-Site and B-Site Modified K<sub>0.5</sub>Na<sub>0.5</sub>NbO<sub>3</sub>-Bi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub> Based Material**  
(2023) 24 (2), pp. 149-153.

**DOI:** 10.1007/s42341-022-00425-5

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**Publisher:** Korean Institute of Electrical and Electronic Material Engineers

**ISSN:** 12297607

- 147) Rout, L.N., Mishra, D., Swain, P.T.R.  
**Influence of Silicon Carbide (SiC) Reinforcement on Sliding and Erosive Wear Characteristics of Glass Fiber/Epoxy Hybrid Composites**  
(2023) 76 (4), pp. 1113-1121. Cited 5 times.

**DOI:** 10.1007/s12666-022-02828-7

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**Publisher:** Springer

**ISSN:** 09722815

148) Sahu, S.K., Kund, N.K.

**Influence of slurry delivery rate and height from cooling slope outlet on solidification and structural behaviors of molded AZ91 magnesium alloy**  
(2023) 237 (7), pp. 1719-1727.

**DOI:** 10.1177/09544062221133221

Department of Production Engineering, VSS University of Technology, Odisha, Sambalpur, India

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**Publisher:** SAGE Publications Ltd

**ISSN:** 09544062

**CODEN:** PMCSE

149) Pradhan, A., Ranjan Senapati, M., Sahu, P.K.

**A multichannel embedding and arithmetic optimized stacked Bi-GRU model with semantic attention to detect emotion over text data**  
(2023) 53 (7), pp. 7647-7664. Cited 6 times.

**DOI:** 10.1007/s10489-022-03907-4

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**Publisher:** Springer

**ISSN:** 0924669X

**CODEN:** APITE

150) Baral, K.K.<sup>a</sup>, Sahu, P.C.<sup>b</sup>, Barisal, A.K.<sup>c</sup>, Mohanty, B.<sup>a</sup>

**Combined analysis on AGC and ELD of a hybrid power system with D-WCA designed Gaussian type-2 fuzzy controller**  
(2023) 14 (2), pp. 263-280. Cited 4 times.

**DOI:** 10.1007/s12530-022-09454-0

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**Publisher:** Institute for Ionics

**ISSN:** 18686478

151) Jena, B.B.<sup>a</sup>, Paikray, S.K.<sup>a</sup>, Mursaleen, M.<sup>b</sup>

**Uniform convergence of Fourier series via deferred Cesàro mean and its applications**  
(2023) 46 (5), pp. 5286-5298. Cited 3 times.

**DOI:** 10.1002/mma.8832

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**Publisher:** John Wiley and Sons Ltd

**ISSN:** 01704214

**CODEN:** MMSCD

152) Rani Sethy, T.<sup>a</sup>, Biswal, T.<sup>b</sup>, Kumar Sahoo, P.<sup>a</sup>

**An indigenous tool for the adsorption of rare earth metal ions from the spent magnet e-waste: An eco-friendly chitosan biopolymer nanocomposite hydrogel**

(2023) 309, art. no. 122935, . Cited 24 times.

**DOI:** 10.1016/j.seppur.2022.122935

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**Publisher:** Elsevier B.V.

**ISSN:** 13835866

**CODEN:** SPUTF

153) Panda, S.K.<sup>a</sup>, Ray, P.<sup>a</sup>, Salkuti, S.R.<sup>b</sup>

**Hybrid Techniques for Short Term Load Forecasting**

(2023) 17 (1), pp. 55-61. Cited 3 times.

**DOI:** 10.30486/mjee.2023.1970200.0

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**Publisher:** Islamic Azad University

**ISSN:** 2345377X

154) Sharma, P.<sup>a</sup>, Soni, H.<sup>b</sup>, Sethy, S.<sup>c</sup>, Das, S.R.<sup>c</sup>, Tharwan, M.Y.<sup>d</sup>, Al Sofyani, S.<sup>e</sup>, Mourad, A.-H.I.<sup>f</sup>, Elsheikh, A.<sup>g</sup>

**Surface characterization of SAE 304 after WED cutting: an experimental investigation and optimization**

(2023) 23, pp. 5723-5732. Cited 2 times.

**DOI:** 10.1016/j.jmrt.2023.02.183

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**Publisher:** Elsevier Editora Ltda

**ISSN:** 22387854

155)

Pandey, S.P.<sup>a</sup>, Singh, S.K.<sup>b</sup>, Panda, A.K.<sup>c</sup>, Mandal, S.<sup>d</sup>, Kumar, S.<sup>a e</sup>

**Catalytic pyrolysis of Argemone mexicana seeds over synthesized TiO<sub>2</sub> nanoparticles to produce renewable fuels**  
(2023) 56, art. no. 103091, . Cited 7 times.

**DOI:** 10.1016/j.seta.2023.103091

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**Publisher:** Elsevier Ltd

**ISSN:** 22131388

156) Dash, R.L., Mohanty, B., Hota, P.K.

**Energy, economic and environmental (3E) evaluation of a hybrid wind/biodiesel generator/tidal energy system using different energy storage devices for sustainable power supply to an Indian archipelago**  
(2023) 44, pp. 357-372. Cited 16 times.

**DOI:** 10.1016/j.ref.2023.01.004

Department of Electrical Engineering, Veer Surendra Sai University of Technology, Burla, 768018, India

**Publisher:** Elsevier Ltd

**ISSN:** 17550084

157) Behera, S.<sup>a</sup>, Behera, S.<sup>a</sup>, Barisal, A.K.<sup>b</sup>

**Dynamic economic emission dispatch including electric vehicles' demand management and vehicle to grid support considering physical constraints**  
(2023) 14 (3), pp. 2739-2757. Cited 7 times.

**DOI:** 10.1007/s12652-023-04518-8

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**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 18685137

158) Bebart, S., Jena, M.K.

**Shape preserving rational [3/2] Hermite interpolatory subdivision scheme**  
(2023) 60 (1), art. no. 8, . Cited 1 time.

**DOI:** 10.1007/s10092-022-00503-3

Department of Mathematics, VSS University of Technology, Sidhi Vihar, Burla, Sambalpur, 768018, India

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**Publisher:** Springer International Publishing

**ISSN:** 00080624

159) Rao, H.J.<sup>a</sup>, Nagabhooshanam, N.<sup>b</sup>, Kumar, D.S.<sup>c</sup>, Sahu, S.K.<sup>d</sup>, Verma, R.<sup>e</sup>, Jyothirmai, G.<sup>b</sup>, Ravindra, M.<sup>b</sup>, Mohanavel, V.<sup>f g</sup>

**Dynamic mechanical, ballistic and tribological behavior of luffa aegyptiaca fiber reinforced coco husk biochar epoxy composite**  
(2023) 44 (3), pp. 1911-1918. Cited 8 times.

**DOI:** 10.1002/pc.27215

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**Publisher:** John Wiley and Sons Inc

**ISSN:** 02728397

**CODEN:** PCOMD

- 160) Mohanty, P.<sup>a</sup>, Dash, P.P.<sup>a</sup>, Naik, S.<sup>b</sup>, Behura, R.<sup>a</sup>, Mishra, M.<sup>b</sup>, Sahoo, H.<sup>c</sup>, Sahoo, S.K.<sup>d</sup>, Barick, A.K.<sup>a</sup>, Jali, B.R.<sup>a</sup>  
**A thiourea-based fluorescent turn-on chemosensor for detecting Hg<sup>2+</sup>, Ag<sup>+</sup> and Au<sup>3+</sup> in aqueous medium**  
 (2023) 437, art. no. 114491, . Cited 19 times.

**DOI:** 10.1016/j.jphotochem.2022.114491

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**Publisher:** Elsevier B.V.

**ISSN:** 10106030

**CODEN:** JPPCE

- 161) Mishra, S.<sup>a</sup>, Swain, K.<sup>b</sup>, Dalai, R.<sup>a</sup>  
**Heat and mass transfer of water-based copper and alumina hybrid nanofluid over a stretching sheet**  
 (2023) 52 (2), pp. 1198-1214. Cited 2 times.

**DOI:** 10.1002/htj.22736

<sup>a</sup> Department of Metallurgical and Materials Engineering, Veer Surendra Sai University of Technology, Odisha, Burla, India

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**Publisher:** John Wiley and Sons Inc

**ISSN:** 26884534

- 162) Kumawat, A., Panda, S.  
**Noisy iris smoothing and segmentation scheme based on improved Wildes method**  
 (2023) 34 (1), pp. 47-79. Cited 1 time.

**DOI:** 10.1007/s11045-022-00852-w

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**Publisher:** Springer

**ISSN:** 09236082  
**CODEN:** MUSPE

- 163) Das, G.<sup>a</sup>, Panda, R.<sup>a</sup>, Samantaray, L.<sup>b</sup>, Agrawal, S.<sup>a</sup>  
**A Novel Segmentation Error Minimization-Based Method for Multilevel Optimal Threshold Selection Using Opposition Equilibrium Optimizer**  
(2023) 23 (2), art. no. 2350021, . Cited 3 times.

**DOI:** 10.1142/S0219467823500213

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**Publisher:** World Scientific

**ISSN:** 02194678

- 164) Panda, R.A., Mishra, D.  
**Log-periodic enactment of a novel patch with square DGS for Ku-band applications**  
(2023) 35 (3), pp. 207-214. Cited 1 time.

**DOI:** 10.1016/j.jksues.2021.03.015

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**Publisher:** King Saud University

**ISSN:** 10183639

- 165) Srivastava, R.K.<sup>a</sup>, Nedungadi, S.V.<sup>a</sup>, Akhtar, N.<sup>a</sup>, Sarangi, P.K.<sup>b</sup>, Subudhi, S.<sup>c</sup>, Shadangi, K.P.<sup>d</sup>, Govarthanam, M.<sup>e</sup> f  
**Effective hydrolysis for waste plant biomass impacts sustainable fuel and reduced air pollution generation: A comprehensive review**  
(2023) 859, art. no. 160260, . Cited 23 times.

**DOI:** 10.1016/j.scitotenv.2022.160260

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**Publisher:** Elsevier B.V.

**ISSN:** 00489697

**CODEN:** STEVA

- 166) Bharatiya, D., Parhi, B., Swain, S.K.  
**Morphology biased pharmacological and mechanical properties of nanosized block copolymers of PNIPAM with polyethylene oxide and polyaminoacids in presence of polycaprolactone**  
(2023) 140 (5), art. no. e53389, . Cited 3 times.

**DOI:** 10.1002/app.53389

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**Publisher:** John Wiley and Sons Inc

**ISSN:** 00218995

**CODEN:** JAPNA

- 167) Ratha, A.K.<sup>a</sup>, Barpanda, N.K.<sup>a</sup>, Sethy, P.K.<sup>a</sup>, Behera, S.K.<sup>b</sup>  
**Papaya Fruit Maturity Estimation Using Wavelet and ConvNET**  
(2023) 28 (1), pp. 175-181. Cited 7 times.

**DOI:** 10.18280/isi.280119

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**Publisher:** International Information and Engineering Technology Association

**ISSN:** 16331311

- 168) Mohanty, L.<sup>a b</sup>, Istalkar, P.<sup>c</sup>, Biswal, B.<sup>c</sup>  
**Dynamic aspects of suspended-sediment-concentration recession curves**  
(2023) 617, art. no. 129107, . Cited 3 times.

**DOI:** 10.1016/j.jhydrol.2023.129107

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**Publisher:** Elsevier B.V.

**ISSN:** 00221694

**CODEN:** JHYDA

- 169) Padhan, S.<sup>a</sup>, Wagri, N.K.<sup>b</sup>, Dash, L.<sup>c</sup>, Das, A.<sup>d</sup>, Das, S.R.<sup>a</sup>, Rafighi, M.<sup>e</sup>, Sharma, P.<sup>f</sup>  
**Investigation on Surface Integrity in Hard Turning of AISI 4140 Steel with SPPP-AITiSiN Coated Carbide Insert under Nano-MQL**  
(2023) 11 (2), art. no. 49, . Cited 20 times.

**DOI:** 10.3390/lubricants11020049

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**Publisher:** MDPI

**ISSN:** 20754442

- 170) Pati, D.K.<sup>a</sup>, Das, P.R.<sup>b</sup>, Padhee, R.<sup>a</sup>  
**Structural, optical, electrical and magnetic characteristics of multiferroic [Pb(Fe<sub>0.5</sub>Nb<sub>0.5</sub>)O<sub>3</sub>]<sub>0.3</sub>-[(Ca<sub>0.2</sub>Sr<sub>0.8</sub>)TiO<sub>3</sub>]<sub>0.7</sub> perovskite ceramic compound**  
(2023) 34 (4), art. no. 331, . Cited 3 times.

**DOI:** 10.1007/s10854-022-09801-6

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**Publisher:** Springer

**ISSN:** 09574522

- 171) Mishra, D.<sup>a</sup>, Naik, B.<sup>a</sup>, Nayak, J.<sup>b</sup>, Souri, A.<sup>c</sup>, Dash, P.B.<sup>d</sup>, Vimal, S.<sup>e</sup>  
**Light gradient boosting machine with optimized hyperparameters for identification of malicious access in IoT network**  
 (2023) 9 (1), pp. 125-137. Cited 25 times.

**DOI:** 10.1016/j.dcan.2022.10.004

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**Publisher:** KeAi Communications Co.

**ISSN:** 24685925

- 172) Samantaray, M.P., Sarangi, S.S.  
**Melting and Crystallization of Free Copper and Nickel Nanoclusters using Molecular Dynamics Simulations**  
 (2023) 22 (1), art. no. 2250052, . Cited 1 time.

**DOI:** 10.1142/S0219581X22500521

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**Publisher:** World Scientific

**ISSN:** 0219581X

- 173) Bathre, M., Das, P.K.  
**Smart dual battery management system for expanding lifespan of wireless sensor node**  
 (2023) 36 (3), art. no. e5389, . Cited 64 times.

**DOI:** 10.1002/dac.5389

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**Publisher:** John Wiley and Sons Ltd

**ISSN:** 10745351

**CODEN:** IJCYE

- 174) Mahapatra, S.<sup>a</sup>, Das, A.<sup>b</sup>, Jena, P.C.<sup>a</sup>, Das, S.R.<sup>a</sup>  
**Turning of hardened AISI H13 steel with recently developed S3P-AITiSiN coated carbide tool using MWCNT mixed**

**nanofluid under minimum quantity lubrication**

(2023) 237 (4), pp. 843-864. Cited 36 times.

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**Publisher:** SAGE Publications Ltd**ISSN:** 09544062**CODEN:** PMCSE

- 175) Chakraborty, C.<sup>a</sup>, Mishra, K.<sup>b</sup>, Majhi, S.K.<sup>c</sup>, Bhuyan, H.K.<sup>d</sup>  
**Intelligent Latency-Aware Tasks Prioritization and Offloading Strategy in Distributed Fog-Cloud of Things**  
(2023) 19 (2), art. no. 09772251, pp. 2099-2106. Cited 28 times.

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**Publisher:** IEEE Computer Society**ISSN:** 15513203

- 176) Biswal, T.<sup>a</sup>, Shadangi, K.P.<sup>b</sup>, Sarangi, P.K.<sup>c</sup>  
**Application of Nanotechnology in the Production of Biohydrogen: A Review**  
(2023) 46 (2), pp. 218-233. Cited 20 times.

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**Publisher:** John Wiley and Sons Inc**ISSN:** 09307516**CODEN:** CETEE

- 177) Das, A.K.<sup>a</sup>, Panda, A.K.<sup>b</sup>  
**Improvement of performance and emission characteristic of waste plastic pyrolytic oil blended diesel fuel in variable compression diesel engine using graphene nano additive**  
(2023) 34 (1), pp. 212-229. Cited 6 times.

**DOI:** 10.1177/0958305X211060405<sup>a</sup> Department of Mechanical Engineering, Gandhi Institute for Technology (GIFT), Odisha, Bhubaneswar, India<sup>b</sup> Department of Chemistry, Veer Surendra Sai University of Technology (VSSUT), Odisha, Burla, India**Correspondence Address**

Panda A.K.; Department of Chemistry, Odisha, India; email: achyut.panda@gmail.com

**Publisher:** SAGE Publications Inc.**ISSN:** 0958305X**CODEN:** EENVE

- 178) Das, S., Panda, S.  
**An optimized fractional order cascade controller for frequency regulation of power system with renewable energies and electric vehicles**  
(2023) 14 (1), pp. 171-195. Cited 7 times.  
**DOI:** 10.1007/s12667-021-00461-9  
Department of Electrical Engineering, Veer Surendra Sai University of Technology (VSSUT), Odisha, Burla, 768018, India  
**Correspondence Address**  
Das S.; Department of Electrical Engineering, Odisha, India; email: satyajeeetburla@gmail.com  
**Publisher:** Springer Science and Business Media Deutschland GmbH  
**ISSN:** 18683967
- 179) Pramanik, R., Pati, B.B.  
**Modelling and control of a non-isolated half-bridge bidirectional DC-DC converter with an energy management topology applicable with EV/HEV**  
(2023) 35 (2), pp. 116-122. Cited 13 times.  
**DOI:** 10.1016/j.jksues.2021.03.004  
Departement of Electrical Engineering, Veer Surendra Sai University of Technology, Burla, India  
**Correspondence Address**  
Pramanik R.; Departement of Electrical Engineering, India; email: ranjan.pramanik@nexteer.com  
**Publisher:** King Saud University  
**ISSN:** 10183639
- 180) Behera, S.  
**Dynamical solutions and quadratic resonance of nonlinear perturbed Schrödinger equation**  
(2023) 8, art. no. 1086766, . Cited 17 times.  
**DOI:** 10.3389/fams.2022.1086766  
Department of Physics, Veer Surendra Sai University of Technology, Burla, India  
**Correspondence Address**  
Behera S.; Department of Physics, India; email: Sbehera\_phy@vssut.ac.in  
**Publisher:** Frontiers Media S.A.  
**ISSN:** 22974687
- 181) Pati, D.P., Panda, S.  
**Performance evaluation of modified Gaussian mixture model algorithm for image segmentation of mammogram**  
(2023) 16 (4), pp. 312-322.  
**DOI:** 10.1504/IJES.2023.139207  
Department of Computer Application, Veer Surendra Sai University of Technology, Odisha, Burla, 768018, India  
**Correspondence Address**  
Pati D.P.; Department of Computer Application, Odisha, India; email: dakshya\_prasad@yahoo.com  
**Publisher:** Inderscience Publishers  
**ISSN:** 17411068
- 182) Parida, P.<sup>a</sup>, Jena, B.B.<sup>b</sup>, Paikray, S.K.<sup>c</sup>  
**A New Approach to Korovkin-Type Theorems based on Deferred Nörlund Summability Mean**  
(2023) 50 (2), pp. 302-312.  
**DOI:** 10.52846/ami.v50i2.1680

<sup>a</sup> Department of Mathematics, Kuntala Kumari Sabat Women's College, Odisha, Balasore, 756003, India



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<sup>c</sup> Department of Mathematics, Veer Surendra Sai University of Technology, Odisha, Burla, 768018, India

**Publisher:** Universitatea din Craiova

**ISSN:** 12236934

- 183) Parida, B.R.<sup>a</sup>, Rath, A.K.<sup>a b</sup>, Pati, B.<sup>c</sup>, Panigrahi, C.R.<sup>c</sup>, Mohapatra, H.<sup>d</sup>, Buyya, R.<sup>e</sup>  
**Energy Efficient Virtual Machine Placement in Dynamic Cloud Milieu Using a Hybrid Metaheuristic Technique**  
 (2023) 27 (4), pp. 1147-1155. Cited 1 time.

**DOI:** 10.13053/CyS-27-4-4640

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Panigrahi C.R.; Rama Devi Women's University, India; email: panigrahichhabi@gmail.com

**Publisher:** Instituto Politecnico Nacional

**ISSN:** 14055546

- 184) Kar, S.R.<sup>a</sup>, Dash, P.P.<sup>a</sup>, Panda, S.N.<sup>a</sup>, Mohanty, P.<sup>a</sup>, Mohanty, D.<sup>b</sup>, Barick, A.K.<sup>a</sup>, Sahoo, S.K.<sup>c</sup>, Mohapatra, P.<sup>a</sup>, Jali, B.R.<sup>a</sup>, Jali<sup>a</sup>, Mohapatra<sup>a</sup>  
**A Formyl Chromone Based Schiff Base Derivative: An Efficient Colorimetric and Fluorescence Chemosensor for the Selective Detection of Hg<sup>2+</sup> Ions**  
 (2023) . Cited 3 times.

**DOI:** 10.1007/s10895-023-03500-z

<sup>a</sup> Department of Chemistry, Veer Surendra Sai University of Technology, Odisha, Burla, Sambalpur, India

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Jali B.R.; Department of Chemistry, Odisha, India; email: bigyan.Jali7@gmail.com

**Publisher:** Springer

**ISSN:** 10530509

**CODEN:** JOFLE

- 185) Nayak, S.R.<sup>a</sup>, Khadanga, R.K.<sup>a</sup>, Das, D.<sup>b</sup>, Arya, Y.<sup>c</sup>, Panda, S.<sup>d</sup>, Sahu, P.R.<sup>e</sup>  
**Influence of Ultracapacitor and Plug-In Electric Vehicle for Frequency Regulation of Hybrid Power System Utilizing Artificial Gorilla Troops Optimizer Algorithm**  
 (2023) 2023, art. no. 6689709, . Cited 3 times.

**DOI:** 10.1155/2023/6689709

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**Publisher:** Wiley-Hindawi

**ISSN:** 0363907X

**CODEN:** IJERD

- 186) Somani, N.<sup>a</sup>, Walia, A.S.<sup>b</sup>, Gupta, N.K.<sup>a</sup>, Panda, J.P.<sup>a</sup>, Das, A.<sup>a</sup>, Das, S.R.<sup>c</sup>  
**Data driven surrogate model-based optimization of the process parameters in electric discharge machining of D2 steel using Cu-SiC composite tool for the machined surface roughness and the tool wear**  
(2023) 59 (2), . Cited 1 time.
- DOI:** 10.3989/REVMETALM.242
- <sup>a</sup> Department of Mechanical Engineering, DIT University, Dehradun, India  
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Das A.; Department of Mechanical Engineering, India; email: anshuman.das2009@gmail.com
- Publisher:** CSIC Consejo Superior de Investigaciones Cientificas
- ISSN:** 00348570  
**CODEN:** RMTGA
- 187) Nayak, D.K., Paikray, S.K., Sahoo, A.K.  
**A fuzzy EOQ model for deteriorating items having time dependent demand under partially backlogged shortages**  
(2023) 26 (3), pp. 269-290. Cited 2 times.
- DOI:** 10.17777/pjms2023.26.3.269
- Department of Mathematics, Veer Surendra Sai University of Technology, Odisha, Burla, India
- Correspondence Address**  
Nayak D.K.; Department of Mathematics, Odisha, India; email: deepakmca52@gmail.com
- Publisher:** Jangeon Research Institute for Mathematical Sciences and Physics
- ISSN:** 15987264
- 188) Mondal, S., Pradhan, R.  
**A Critical Analysis on Different High Impedance Fault Detection Schemes**  
(2023) .
- DOI:** 10.1080/15325008.2023.2282185
- Department of EE, VSSUT Burla, Odisha, India
- Correspondence Address**  
Pradhan R.; Department of EE, Odisha, India; email: rase1512@gmail.com
- Publisher:** Taylor and Francis Ltd.
- ISSN:** 15325008
- 189) Pradhan, S.<sup>a</sup>, Panda, S.K.<sup>b</sup>, Panigrahi, K.<sup>b</sup>, Dhupal, D.<sup>b</sup>  
**Computational approach for structural and thermal behavior of laser-machined micro-grooves on alumina ceramic using ANSYS**  
(2023) . Cited 2 times.
- DOI:** 10.1177/09544089231209314
- <sup>a</sup> Department of Mechanical Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah, India  
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Dhupal D.; Department of Production Engineering, India; email: debabratadhupal@gmail.com
- Publisher:** SAGE Publications Ltd
- ISSN:** 09544089  
**CODEN:** PMEEE

- 190) Majhi, S.K.<sup>a</sup>, Panda, A.<sup>a</sup>, Srichandan, S.K.<sup>b</sup>, Desai, U.<sup>c</sup>, Acharya, B.<sup>d</sup>  
**Malware image classification: comparative analysis of a fine-tuned CNN and pre-trained models**  
(2023) 45 (11), pp. 709-721. Cited 1 time.  
**DOI:** 10.1080/1206212X.2023.2270804
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- Publisher:** Taylor and Francis Ltd.
- ISSN:** 1206212X  
**CODEN:** IJCAF
- 191) Mishra, S.<sup>a</sup>, Mishra, P.<sup>a</sup>, Mishra, P.<sup>b</sup>, Mohapatra, D.K.<sup>a</sup>, Mishra, D.K.<sup>a</sup>, Shadangi, K.P.<sup>a</sup>  
**STUDY OF MECHANICAL AND MORPHOLOGICAL PROPERTIES OF CCTO-BT/EPOXY COMPOSITE**  
(2023) 23 (3), pp. 123-128.
- <sup>a</sup> Veer Surendra Sai University of Technology, Odisha, Burla, 768018, India  
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- Correspondence Address**  
Mishra P.; Veer Surendra Sai University of Technology, Odisha, India; email: ppmishra\_me@vssut.ac.in
- Publisher:** Polish Society of Composite Materials
- ISSN:** 20846096
- 192) Jena, U.K.<sup>a</sup>, Kabat, M.R.<sup>a</sup>, Das, P.K.<sup>b</sup>  
**Efficient load balancing in cloud computing using HHO improved by differential perturbed velocity and TEO**  
(2023) 72 (4), pp. 308-328.  
**DOI:** 10.1504/IJCAT.2023.133836
- <sup>a</sup> Department of Computer Science and Engineering, Veer Surendra Sai University of Technology (VSSUT), Odisha, Burla, India  
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Das P.K.; Department of Information Technology, Odisha, India; email: daspradipta78@gmail.com
- Publisher:** Inderscience Publishers
- ISSN:** 09528091  
**CODEN:** IJCTE
- 193) Yadav, A., Singh, P.P., Nath, G.  
**Graphene induced carbon-based fibre composite as microwave absorber for X-band frequency application**  
(2023) 57 (4), pp. 264-277. Cited 1 time.  
**DOI:** 10.1080/08327823.2023.2269494
- Department of Physics, Veer Surendra Sai University of Technology, Odisha, Sambalpur, India
- Correspondence Address**  
Nath G.; Department of Physics, Odisha, India; email: ganeswar.nath@gmail.com
- Publisher:** Taylor and Francis Ltd.
- ISSN:** 08327823  
**CODEN:** JMPEE

- 194) Mishra, L., Mahapatra, T.R., Mishra, D., Parimanik, S.R.  
**Machinability study, machining performance optimisation and sustainability assessment in laser micro-drilling of CNT/epoxy nanocomposite**  
(2023) 25 (2), pp. 111-139. Cited 1 time.  
**DOI:** 10.1504/IJMMM.2023.133377  
Veer Surendra Sai University of Technology (VSSUT), Odisha, Burla, 768018, India  
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**Publisher:** Inderscience Publishers  
**ISSN:** 17485711
- 195) Pattnaik, A.<sup>a</sup>, Viswavandya, M.<sup>a</sup>, Hota, P.K.<sup>b</sup>  
**A Brief Review on Identification, Categorization and Elimination of Power Quality Issues in a Microgrid Using Artificial Intelligent Techniques**  
(2023) 9 (4), pp. 20-50.  
**DOI:** 10.24840/2183-6493\_009-004\_001388  
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**Publisher:** Universidade do Porto - Faculdade de Engenharia  
**ISSN:** 21836493
- 196) Barik, T.<sup>a</sup>, Parida, S.<sup>b</sup>, Pal, K.<sup>a</sup>  
**Application of ARAS Method for Finding Out the Best Possible Combination of Input Parameters for Least Hole Defects While Drilling CFRP Laminates**  
(2023) 9 (Special Issue 1), pp. S192-S197.  
**DOI:** 10.17756/nwj.2023-s1-039  
<sup>a</sup> Department of Production Engineering, Veer Surendra Sai University of Technology, Odisha, Burla, India  
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**Correspondence Address**  
Barik T.; Department of Production Engineering, Odisha, India; email: tarakes18@gmail.com  
**Publisher:** United Scientific Group  
**ISSN:** 23791101
- 197) Sethy, S.<sup>a</sup>, Behera, R.K.<sup>b</sup>, Rana, J.<sup>a</sup>, Muduli, K.<sup>c</sup>  
**Experimental investigation on the performance variations of three different work piece materials in EDM with variation of thermo-physical properties**  
(2023) 15 (1), pp. 46-72.  
**DOI:** 10.1504/IJPMB.2023.132659  
<sup>a</sup> Department of Mechanical Engineering, Veer Surendra Sai University of Technology, Odisha, Burla, India  
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Muduli K.; Department of Mechanical Engineering, Morobe Province, Papua New Guinea; email: kamalakanta.muduli@pnu.ac.pg  
**Publisher:** Inderscience Publishers  
**ISSN:** 14606739
- 198) Sethi, S.K., Mahapatro, A.  
**Interference aware intelligent routing in cognitive radio based Vehicular Adhoc networks for smart city applications**

(2023) . Cited 2 times.

**DOI:** 10.1007/s41870-023-01434-0

VSSUT, Burla, India

**Correspondence Address**

Mahapatro A.; VSSUTIndia; email: arun227@gmail.com

**Publisher:** Springer Science and Business Media B.V.

**ISSN:** 25112104

199) Singh, J.K.<sup>a b</sup>, Rout, A.K.<sup>a</sup>

**Thermal stability and dynamic mechanical analysis of nano-biofillers blended hybrid composites reinforced by cellulosic *Borassus flabellifer* L. fiber**

(2023) 28 (6), pp. 552-563. Cited 4 times.

**DOI:** 10.1080/1023666X.2023.2251792

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Rout A.K.; Department of Production Engineering, Odisha, India; email: arun.rout.6314@gmail.com

**Publisher:** Taylor and Francis Ltd.

**ISSN:** 1023666X

200) Nayak, P.C., Mishra, S., Prusty, R.C., Panda, S.

**Hybrid whale optimization algorithm with simulated annealing for load frequency controller design of hybrid power system**

(2023) . Cited 10 times.

**DOI:** 10.1007/s00500-023-09072-1

Department of Electrical Engineering, VSSUT, Odisha, Burla, 768018, India

**Correspondence Address**

Nayak P.C.; Department of Electrical Engineering, Odisha, India; email: pratapc.nayak@gmail.com

**Publisher:** Springer Science and Business Media Deutschland GmbH

**ISSN:** 14327643

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## Documents

201) Jena, B.B., Paikray, S.K.

**A NEW APPROACH TO STATISTICAL RIEMANN-STIELTJES INTEGRALS**

(2023) *Miskolc Mathematical Notes*, 24 (2), pp. 789-803.

2-s2.0-85167822890

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

202) Kar, B.N., Samuel, P., Mallick, A., Pradhan, J.K.

**Grid-Connected Solar PV Fed BLDC Motor Drive for Water Pumping System**

(2023) *Distributed Generation and Alternative Energy Journal*, 38 (5), pp. 1477-1504. Cited 1 time.

2-s2.0-85167414545

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

203) Padhi, S., Nayak, I.

**Variable viscosity effects on unsteady MHD reactive third-grade fluid with asymmetric convective cooling within porous Couette device**

(2023) *International Journal of Ambient Energy*, 44 (1), pp. 2422-2432. Cited 1 time.

2-s2.0-85167341493

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

204) Sahu, D.K., Mahapatra, T.R., Puan, P., Mishra, D.

**Performance analysis of automotive exhaust muffler characteristics integrating supervised machine learning algorithms**

(2023) *International Journal of Vehicle Performance*, 9 (3), pp. 314-335.

2-s2.0-85166486490

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

205) Saha, M., Panda, S.K., Panigrahi, S.

**A modified Brown and Gibson model for cloud service selection**

(2023) *International Journal of Computational Science and Engineering*, 26 (4), pp. 430-444. Cited 2 times.

2-s2.0-85166391384

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

206) Chaudhary, B.K., Agrawal, S., Mishro, P.K., Dora, L., Mahapatra, S., Panda, R.

**An Adaptive Weighted Error Sensitive Fuzzy Clustering Technique for Mammogram Image Segmentation**

(2023) *International Journal of Computer Information Systems and Industrial Management Applications*, 15 (2023), pp. 189-200.

2-s2.0-85166108136

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

207) Behera, S., Viridi, J.P.S.

**Generalized Soliton Solutions to Davey-Stewartson Equation**

(2023) *Nonlinear Optics Quantum Optics*, 57 (3-4), pp. 325-337. Cited 4 times.

2-s2.0-85165238552

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

208) Mohanty, A., Rout, B.

**Solar PV Transient Mitigation using Superimposed Sliding Mode-Perturb and Observe MPPT under Varying Irradiation Conditions**

(2023) *Journal of Scientific and Industrial Research*, 82 (6), pp. 609-615.

2-s2.0-85164915012

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

209) Nayak, J., Dash, P.B., Naik, B.

**An Advance Boosting Approach for Multiclass Dry Bean Classification**

(2023) *Journal of Engineering Science and Technology Review*, 16 (2), pp. 107-115. Cited 1 time.

2-s2.0-85163745317

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

210) Pradhan, S.K., Gupta, A., Mishra, P.C.

**Investigating Into the Effects of Bore Irregularities on the Hydrodynamic Performance Journal Bearing Using Response Surface Methodology**

(2023) *Tribology in Industry*, 45 (2), pp. 201-211.

2-s2.0-85163648177

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

211) Manjula, A., Sangeetha, S., Jaber, M.M., Hamad Mohamad, A.A., Sahu, S.K., Verma, R., Vats, P.

**Stratifying transformer defects through modelling and simulation of thermal decomposition of insulating mineral oil**

(2023) *Automatika*, 64 (4), pp. 733-747. Cited 7 times.

2-s2.0-85161979150

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

212) Dash, S., Mahapatra, T.R., Mehar, K., Panigrahi, I., Mishra, D.

**Finite element analysis of thermoelastic free vibration behaviour of hardcore higher-order doubly curved sandwich shell panel**

(2023) *International Journal of Structural Engineering*, 13 (1), pp. 80-108. Cited 2 times.

2-s2.0-85161945842

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

213) Rath, S., Mohapatra, B.

**BLUE-GREEN NATURE-BASED SOLUTIONS FOR URBAN WASTEWATER - ENABLING A CIRCULAR ECONOMY**

(2023) *Urbanism. Architecture. Constructions*, 14 (2), pp. 147-162. Cited 3 times.

2-s2.0-85161632366

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

214) Dansana, J., Kabat, M.R., Pattnaik, P.K.

**Improved 3D Rotation-based Geometric Data Perturbation Based on Medical Data Preservation in Big Data**

(2023) *International Journal of Advanced Computer Science and Applications*, 14 (5), pp. 867-879. Cited 2 times.

2-s2.0-85161327662

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

215) Mohanty, M., Maity, R., Pradhan, M., Dash, P.

**Parametric stability of Timoshenko taper sandwich beam on Pasternak foundation**

(2023) *Materials Today: Proceedings*, . Cited 2 times.

2-s2.0-85153296751

**Document Type:** Article

**Publication Stage:** Article in Press

**Source:** Scopus

216) Shekunti, R.K., Devarakonda, A.P., Kothakapu, S.R., Ramakrishna, D.S.

**Efficient green synthesis of a potential novel nosylation reagent and its DFT study**

(2023) *Phosphorus, Sulfur and Silicon and the Related Elements*, 198 (7), pp. 549-553. Cited 9 times.

2-s2.0-85152001380

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

217) Dash, S., Sethy, P.K., Behera, S.K.

**Cervical Transformation Zone Segmentation and Classification based on Improved Inception-ResNet-V2 Using Colposcopy Images**

(2023) *Cancer Informatics*, 22, . Cited 12 times.

2-s2.0-85151710073

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

218) Dwibedy, D., Mohanty, R.

**A NOTE ON HARDNESS OF MULTIPROCESSOR SCHEDULING WITH SCHEDULING SOLUTION SPACE TREE**

(2023) *Computer Science*, 24 (1), pp. 53-74.



2-s2.0-85151037701  
**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

219) Behera, S., Viridi, J.P.S.

**Analytical Solutions of some Fractional Order Nonlinear Evolution Equations by Sine-Cosine Method**  
(2023) *Discontinuity, Nonlinearity, and Complexity*, 12 (2), pp. 275-286. Cited 14 times.

2-s2.0-85150263252  
**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

220) Sahu, S.K., Kund, N.K.

**IMPACT OF COOLANT WATER FLOW RATE AND TEMPERATURE UNDERSIDE COOLING SLOPE ON SOLIDIFICATION WITH MICROSTRUCTURE AND MECHANICAL PROPERTIES OF CASTED AZ91 MG ALLOY**  
(2023) *Archives of Metallurgy and Materials*, 68 (2), pp. 673-680.

2-s2.0-85149570506  
**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

221) Sahu, P.R., Simhadri, K., Mohanty, B., Hota, P.K., Abdelaziz, A.Y., Albalawi, F., Ghoneim, S.S.M., Elsis, M.

**Effective Load Frequency Control of Power System with Two-Degree Freedom Tilt-Integral-Derivative Based on Whale Optimization Algorithm**  
(2023) *Sustainability (Switzerland)*, 15 (2), art. no. 1515, . Cited 22 times.

2-s2.0-85148531791  
**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

222) Das, A.K., Sahoo, S.S., Panda, A.K.

**Experimental investigation and analyses of CI engine fuelled with different blends of waste plastic oil and diesel**  
(2023) *International Journal of Exergy*, 40 (1), pp. 44-58. Cited 3 times.

2-s2.0-85147551845  
**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

223) Jena, B.B., Paikray, S.K., Mursaleen, M.

**On the degree of approximation of Fourier series based on a certain class of product deferred summability means**  
(2023) *Journal of Inequalities and Applications*, 2023 (1), art. no. 18, . Cited 3 times.

2-s2.0-85147419622  
**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

224) Mishra, M., Panigrahi, L., Panda, J.

**Investigation of induced magnetic field on MHD radiative flow across an exponentially stretching sheet**  
(2023) *International Journal of Ambient Energy*, 44 (1), pp. 1192-1201. Cited 6 times.

2-s2.0-85147378795

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

225) Ekka, A., Panda, A., Ranjan Mahapatra, T., Mishra, D.

**Erosion and wear analysis of fly ash filled GFRP composite**  
(2023) *Materials Today: Proceedings*, . Cited 5 times.

2-s2.0-85147298452

**Document Type:** Article  
**Publication Stage:** Article in Press  
**Source:** Scopus

226) Pani, A.K., Panda, B.C.

**ELASTIC MODULUS OF EQUIVALENT BLOCK LAYER IN CONCRETE BLOCK PAVEMENT USING FINITE ELEMENT ANALYSIS**  
(2023) *Indian Concrete Journal*, 97 (1), pp. 41-49. Cited 1 time.

2-s2.0-85147190584

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

227) Pattanaik, P.K., Paikray, S.K., Rath, B.K.

**Local Properties of Fourier Series via Deferred Riesz Mean**  
(2023) *Boletim da Sociedade Paranaense de Matematica*, 41, .

2-s2.0-85147117609

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

228) Sethy, P.K., Geetha Devi, A., Padhan, B., Behera, S.K., Sreedhar, S., Das, K.

**Lung cancer histopathological image classification using wavelets and AlexNet**  
(2023) *Journal of X-Ray Science and Technology*, 31 (1), pp. 211-221. Cited 19 times.

2-s2.0-85147092029

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

229) Barik, T., Pal, K.

**Optimization of process variables in drilling of carbon fiber reinforced plastics using various multi criteria decision making approaches [Optimierung der Prozessvariablen beim Bohren von kohlenstofffaserverstärkten Kunststoffen unter Verwendung verschiedener multikriterieller Entscheidungsansätze]**  
(2023) *Materialwissenschaft und Werkstofftechnik*, 54 (1), pp. 45-68. Cited 2 times.

2-s2.0-85146780526

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

230) Nayak, S.R., Khadanga, R.K., Panda, S., Sahu, P.R., Padhy, S., Ustun, T.S.

**Participation of Renewable Energy Sources in the Frequency Regulation Issues of a Five-Area Hybrid Power System Utilizing a Sine Cosine-Adopted African Vulture Optimization Algorithm**  
(2023) *Energies*, 16 (2), art. no. 926, . Cited 17 times.

2-s2.0-85146627284

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

231) Behera, S., Mohanty, J.R., Nath, G., Mahanta, T.K.

**Exploring Properties of Short Randomly Oriented Rattan Fiber Reinforced Epoxy Composite for Automotive Application**

(2023) *Journal of Natural Fibers*, 20 (1), art. no. 2163024, . Cited 9 times.

2-s2.0-85146423281

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

232) Wagri, N.K., Jain, N.K., Petare, A., Das, S.R., Tharwan, M.Y., Alansari, A., Alqahtani, B., Fattouh, M., Elsheikh, A.

**Investigation on the Performance of Coated Carbide Tool during Dry Turning of AISI 4340 Alloy Steel**

(2023) *Materials*, 16 (2), art. no. 668, . Cited 18 times.

2-s2.0-85146417447

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

233) Behera, S., Virdi, J.P.S.

**Some More Solitary Traveling Wave Solutions of Nonlinear Evolution Equations**

(2023) *Discontinuity, Nonlinearity, and Complexity*, 12 (1), pp. 75-85. Cited 15 times.

2-s2.0-85145942132

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

234) Barik, S., Sarangi, S.S.

**Molecular dynamics simulation studies on tensile mechanical properties of zirconium nanowire: effect of temperature, diameter, and strain rate**

(2023) *Molecular Simulation*, 49 (4), pp. 377-385. Cited 4 times.

2-s2.0-85144879907

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

235) Behera, S., Dash, P.P., Bishoyi, A.K., Dash, K., Mohanty, P., Sahoo, C.R., Padhy, R.N., Mishra, M., Ghosh, B.N., Sahoo, H., Jali, B.R.

**Protein interactions, molecular docking, antimicrobial and antifungal studies of terpyridine ligands**

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (20), pp. 11274-11285. Cited 8 times.

2-s2.0-85144663348

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

236) Singh, P.P., Nath, G.

**Laser processing of composite materials for acoustic applications**

(2023) *Laser Physics*, 33 (1), art. no. 016003, . Cited 3 times.

2-s2.0-85144609002

**Document Type:** Article

**Publication Stage:** Final  
**Source:** Scopus

237) Saha, D., Khirali, B., Swain, B., Bhoi, J.

**Jost states for the Deng-Fan potential**

(2023) *Physica Scripta*, 98 (1), art. no. 015303, . Cited 3 times.

2-s2.0-85144518884

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

238) Swapnarekha, H., Nayak, J., Behera, H.S., Dash, P.B., Pelusi, D.

**An optimistic firefly algorithm-based deep learning approach for sentiment analysis of COVID-19 tweets**

(2023) *Mathematical Biosciences and Engineering*, 20 (2), pp. 2382-2407. Cited 6 times.

2-s2.0-85144428966

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

239) Venkatanarayana, P., Kolli, D., Seelama, N.V., Ramakrishna, D.S.

**Synthesis of molnupiravir (MK-4482, EIDD-2801): a promising oral drug for the treatment of COVID-19 starting from cytidine**

(2023) *Nucleosides, Nucleotides and Nucleic Acids*, 42 (6), pp. 427-435. Cited 8 times.

2-s2.0-85144085678

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

240) Padhi, S., Nayak, I.

**Unsteady EMHD free convective second grade fluid flow past an exponentially accelerated vertical porous plate**

(2023) *Numerical Heat Transfer, Part B: Fundamentals*, 83 (3), pp. 102-119. Cited 9 times.

2-s2.0-85144082096

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

241) Samal, R.K.

**Techno-economic analysis and wind resource assessment for Odisha, India using reanalysis and 80 m mast measurements: a preliminary assessment for policy-makers**

(2023) *International Journal of Ambient Energy*, 44 (1), pp. 564-577. Cited 1 time.

2-s2.0-85141143081

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

242) Agrawal, A., Panda, J.P.

**The Soret effect on MHD flow with Hall current and induced magnetic field**

(2023) *International Journal of Ambient Energy*, 44 (1), pp. 450-462. Cited 7 times.

2-s2.0-85139869988

**Document Type:** Article  
**Publication Stage:** Final

**Source:** Scopus

243) Mishra, S., Dalai, R., Swain, K.

**Effects of copper and titania nanoparticles on MHD 3D rotational flow over an elongating sheet with convective thermal boundary condition**

(2023) *International Journal of Ambient Energy*, 44 (1), pp. 381-389. Cited 4 times.

2-s2.0-85139866017

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

244) Sahu, S., Behera, S.

**Self-tuning proportional-derivative pitch control for internal fault-tolerance in wind turbine benchmark**

(2023) *Australian Journal of Electrical and Electronics Engineering*, 20 (2), pp. 190-204.

2-s2.0-85139156953

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

245) Mohanty, A., Senapati, S.K., Dash, M.K.

**Cooling Characteristic of an Infrared Suppression Device with Single Perforated Funnel: A Computational Fluid Dynamics Approach**

(2023) *Journal of Thermal Science and Engineering Applications*, 15 (1), art. no. 011001, . Cited 4 times.

2-s2.0-85138483037

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

246) Biswal, M.M., Swain, K., Dash, G.C., Mishra, S.

**Study of chemically reactive and thermally radiative Casson nanofluid flow past a stretching sheet with a heat source**

(2023) *Heat Transfer*, 52 (1), pp. 333-353. Cited 7 times.

2-s2.0-85137815130

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

247) Shubhadarshinee, L., Mohapatra, P., Jali, B.R., Barick, A.K., Mohapatra, P.

**Synthesis and characterization of a novel silver nanoparticles decorated functionalized single-walled carbon nanotubes nanohybrids embedded polyaniline ternary nanocomposites: thermal, dielectric, and sensing properties**

(2023) *Polymer-Plastics Technology and Materials*, 62 (2), pp. 197-217. Cited 8 times.

2-s2.0-85134263637

**Document Type:** Article

**Publication Stage:** Final

**Source:** Scopus

248) Sabat, G., Gouda, N., Panda, A.K.

**Effect of coal grade and heating rate on the thermal degradation behavior, kinetics, and thermodynamics of pyrolysis of low-rank coal**

(2023) *International Journal of Coal Preparation and Utilization*, 43 (6), pp. 1057-1075. Cited 5 times.

2-s2.0-85133500219

**Document Type:** Article

**Publication Stage:** Final  
**Source:** Scopus

249) Goswami, N.K., Nayak, L.P., Pal, K.

**Investigation on tool positioning in friction stir lap welding of AA6061 to polycarbonate sheets using force-torque signals**

(2023) *Journal of Adhesion Science and Technology*, 37 (9), pp. 1543-1572. Cited 4 times.

2-s2.0-85131384102

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

250) Mishra, S., Nayak, P.C., Prusty, R.C., Panda, S.

**Hybrid dragonfly algorithm and pattern search optimized adaptive fuzzy PID controller for frequency regulation of multi microgrid system using Henkel matrix based reduced-order model**

(2023) *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, 36 (1), art. no. e3029, . Cited 9 times.

2-s2.0-85130508160

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

251) Panigrahi, S.P.

**Analysis of Destructive Leadership Behaviour from Real Time Results: Evidence from an Indian University**

(2023) *Public Integrity*, 25 (4), pp. 428-440. Cited 1 time.

2-s2.0-85129218863

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

252) Pradhan, H., Sahu, R., Mangaraj, B.B., Behera, S.K.

**On Microstrip Array Antenna with Enhanced Bandwidth and Gain Using Modified Ant Lion Optimization for X-Band Applications**

(2023) *IETE Journal of Research*, 69 (11), pp. 7769-7786. Cited 1 time.

2-s2.0-85128189887

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

253) Nayak, M., Das, S., Bhanja, U., Senapati, M.R.

**Predictive Analysis for Cancer and Diabetes Using Simplex Method Based Social Spider Optimization Algorithm**

(2023) *IETE Journal of Research*, 69 (10), pp. 7342-7356. Cited 4 times.

2-s2.0-85124323856

**Document Type:** Article  
**Publication Stage:** Final  
**Source:** Scopus

254) Kar, S.R., Mohapatra, P., Mohanty, D.

**Green synthesis, characterisation and antibacterial activity studies of new multifunctional nano polymeric material, which may have multidimensional application in water purification**

(2023) *Polymer Bulletin*, 80 (1), pp. 703-723.

2-s2.0-85123853561