

Scopus/ SCI Journals::32

Conference Proceedings: 38

Books /Book Chapters/ Lecture Notes: 09

• **International Journals:** Published 32

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11. **Pal, K.**, and Pal, S K., “Sensor based prediction of weld microstructure in pulsed MIG welding” International Journal of Microstructure and Materials Properties, *Inderscience Publications, 2015 Vol 10(5-6), pp.402- 434*, SCOPUS.

12. Priyadarshini, M and **Pal, K**, “Multi-objective optimisation of EDM process using hybrid Taguchi-based methodologies for Ti-6Al-4V alloy”, *International Journal of Manufacturing Research, Inderscience Publications*, **2016**, Vol. 11 (2), pp.144-166 SCOPUS.
13. Priyadarshini, M and **Pal, K**, “A comparative study for machining of Ti-6Al-4V alloy for multi-criteria response”, *Journal of Advanced Manufacturing Systems*, **Vol. 17(4)**, pp-515-531, **2018** SCOPUS.
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19. Barik T., Jena S. K., Gahir S., **Pal K.** and Pattnaik S. K., Process Parametric Optimization in Drilling of CFRP Composites using GRA Method, *2nd International Conference on Recent Trends in metallurgy, Materials Science and Manufacturing, IMME19*, NIT, Tiruchirappalli **2019**, published in *Materials Today: Proceedings, Vol 39(4)*, pp. 1281-1286, 2021.
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24. Barik T., Jena S., Tripathy A., **Pal K.** and Parida S., A novel approach for reducing delamination during drilling of CFRP by Response Surface Methodology (RSM) integrated with the Taguchi method, *3rd International Conference on Innovations in Mechanical Engineering, ICIME 2020*, Guru Nanak Institutions. Telangana, **2020**.
25. Goswami N., and **Pal K.**, ‘A Study on Friction Stir Lap Welding of Dissimilar Al 6061 to Polycarbonate’, *8th International & 29th National AIMTDR-2021*, Dec 9-11, PSG College of Coimbatore, Tamil Nadu, India, **2021**.

26. Goswami N K., Nayak L P and **Pal K**, ‘Joining of Dissimilar Thermoplastic Polymers using Friction Stir Processing: A Review’, *Innovations in Mechanical and Materials Engineering (IMME 2022)*, Motilal Nehru National Institute of Technology Allahabad, India, **2022**.
27. Barik T., Parida S. and **Pal K**, ‘Application of ARAS method for finding out the best possible combination of input parameters for least hole defects while drilling CFRP laminates’, *Innovations in Mechanical and Materials Engineering (IMME 2022)*, Motilal Nehru National Institute of Technology Allahabad, India, **2022**.
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- **National Conference:** Published 10
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- **Books / Book Chapters/ Lecture Notes:** Published: 9
1. Rath, D., Panda, S. and **Pal, K.** Machinability and wear mechanism study in turning of hardened steel (Book), **Lambert Academic Publishing, ISBN 978-620-4-74279-3, 2022.**
 2. Mishra D., Sahu S. K., Mahto R. P., Pal S. K., and **Pal K.**, “Friction Stir Welding for Joining of Polymers” chapter for the book titled as “*Strengthening and Joining by Plastic Deformation*”, *Springer Publications, Chapter 6, pp.123-162, doi: 10.1007/978-981-13-0378-4_6, 2019.*
 3. Barik T., Sarangi S. and **Pal K.**, Assessment on Hole Quality During Drilling of Al/CFRP Stack, *Lecture Notes on Multidisciplinary Industrial Engineering, M. S. Shunmugam and M. Kanthababu (Eds):Advances in Unconventional Machining and Composites, Springer Publications, 978-981-32-9470-7, 486064_1_En (64), pp 757-770, doi: 10.1007/978-981-32-9471-4_64, 2019.*
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 6. Goswami, N.K., **Pal, K.**, A Study on Friction Stir Lap Welding of Dissimilar Al 6061 to Polycarbonate, **Advances in Additive Manufacturing and Metal Joining, Springer Nature Singapore, May 2023, pp 299-307.**
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 9. Barik, T., Parida, S., **Pal, K.**, Application of ARAS Method for Finding Out the Best Possible Combination of Input Parameters for Least Hole Defects While Drilling CFRP Laminates, **Nano World Journal. March 2023, doi.org/10.17756/nwj.2023-s1-039, pp. S192-S197.**