Publication Details

DC Member Name: Dr. D. Chandra Mohan
Designation: Professor
Department: Mechanical Engineering
Email id: sarancm23@gmail.com
Phone Number: 9994116596
Area of Interest: Composite Materials
Institute Name: St. Peter's Institute of Higher Education and Research
Place: Avadi Pincode: 600 054

1. G. Raja, D. Chandramohan, B. K. Gnanavel, and T. Sathish, "Numerical analysis of cardiac lead due to internal cable motion", AIP Conference Proceedings 2283, PP:020085 (2020); https://doi.org/10.1063/5.0024980
2. G. Raja, D. Chandramohan, B. K. Gnanavel, and T. Sathish, "Effect of inter-facial coupled contact forces in the multilayered pacemaker lead cable", AIP Conference Proceedings 2283, PP:020081 (2020); https://doi.org/10.1063/5.0024971
3. D. Chandramohan, T. Sathish, S. Dinesh Kumar, and M. Sudhakar, "Mechanical and thermal properties of jute/ aloevera hybrid natural fiber reinforced composites", AIP Conference Proceedings 2283, 020084 (2020); https://doi.org/10.1063/5.0024976
4. T. Sathish, S. Dinesh Kumar, D. Chandramohan, et al., "Teaching learning optimization and neural network for the effective prediction of heat transfer rates in tube heat exchangers", Thermal Science, 2020, Volume 24, Issue 1, pp: 575 - 581. https://doi.org/10.2298/TSCI190714438T
5. T. Adithiyaa, D. Chandramohan and T. Sathish, "Optimal prediction of process parameters by GWO-KNN in stirring-squeeze casting of AA2219 reinforced metal matrix composites", Materials Today: Proceedings, Volume 21, Part 1, 2020, pp: 1000-1007. https://doi.org/10.1016/j.matpr.2019.10.051. ELSEVIER.
6. M. D. Vijayakumar, D. Chandramohan and G. Gopalaramasubramaniyan, "Experimental investigation on single point incremental forming of IS513Cr3 using response surface method", Materials Today: Proceedings, Volume 21, Part 1, 2020, Pages 902-907 https://doi.org/10.1016/j.matpr.2019.07.741. ELSEVIER
7. S. Dinesh Kumar, K. Purushothaman, D. Chandramohan et al., "ANN-AGCS for the prediction of temperature distribution and required energy in hot forging process using finite element analysis", Materials Today: Proceedings 21 (2020) 263–267. https://doi.org/10.1016/j.matpr.2019.05.426. ELSEVIER.
8. S. Dinesh Kumar, D. Chandramohan, K. Purushothaman and T. Sathish, "Optimal Hydraulic And Thermal Constrain For Plate Heat Exchanger Using Multi Objective Wale Optimization", Materials Today: Proceedings 21 (2020) 876–881. https://doi.org/10.1016/j.matpr.2019.07.710. ELSEVIER
9. K. Gurusami, D. Chandramohan, "Strengthening mechanism of Nd: Yag laser shock peening for commercially pure titanium (CP-TI) on surface integrity and residual Stresses", Materials Today: Proceedings 21 (2020) 981–987, ELSEVIER. https://doi.org/10.1016/j.matpr.2019.09.141

10. T. Adithiyaa, D. Chandramohan and T. Sathish, “Flower Pollination Algorithm for the optimization of stair casting parameter for the preparation of AMC”, Materials Today: Proceedings, Volume 21, Part 1, 2020, Pages 882-886. https://doi.org/10.1016/j.matpr.2019.07.711.
11. D Chandramohan and Ravikumar L, “Free Vibrational Analysis of Cortical / Hard Cancellous Bone By Using of FEA”, Materials Today: Proceedings Volume 16, Part 2, 2019, Pages 744-749 https://doi.org/10.1016/j.matpr.2019.05.154. ELSEVIER
12. D Chandramohan et al. Mechanical, Moisture Absorption, and Abrasion Resistance Properties of Bamboo–Jute–Glass Fiber Composites. Journal of Bio- and Tribo-Corrosion (2019) 5:66. DOI: https://doi.org/10.1007/s40735-019-0259-z. SPRINGER
13. Murali, B., B.Vijayaramnath and D Chandra Mohan, Mechanical properties of boehmeria nivea reinforced polymer composite, Materials Today: Proceedings Volume 16, Part 2, 2019, Pages 883-888. https://doi.org/10.1016/j.matpr.2019.05.173. ELSEVIER.
14. K. Gurusami, K. Shanmuga Sundaram, D. Chandramohan, S. Dinesh Kumar, P. Vasantha Srinivasan & T. Sathish (2019): A comparative study on surface strengthening characterisation and residual stresses of dental alloys using laser shock peening, International Journal of Ambient Energy, DOI: 10.1080/01430750.2019.1614987. Taylor & Francis
15. Prabhakaran Vasantha-Srinivasan , D Chandramohan et.al.,Aspergillus flavus (Link) toxins reduces the fitness of dengue vector Aedes aegypti (Linn.) and their non-target toxicity against aquatic predator, Microbial pathogenesis,128,281-287,2019. ELSEVIER
16. Prabhakaran Vasantha-Srinivasan , D Chandramohan et.al.,Larvicidal and enzyme inhibition of essential oil from Spheranthus amaranthroids (Burm.) against lepidopteran pest Spodoptera litura (Fab.) and their impact on non-target earthworms, Biocatalysis and Agricultural Biotechnology,Volume 21, September 2019, 101324, Aug 2019. https://doi.org/10.1016/j.bcab.2019.101324. ELSEVIER
17. T. Sathish, D. Chandramohan , V. Vijayan , P.J. Sebastian, Investigation on microstructural and mechanical properties of Cu reinforced with Sic composites prepared by microwave sintering process, Journal of New Materials for Electrochemical Systems 22, 005-009 (2019).
18. D Chandramohan and John Presin Kumar A. Experimental data on the properties of natural fiber particle reinforced polymer composite material, Data in Brief, 13,460–468, 2017. ELSEVIER [SCI &SCOPUS]
19. D Chandramohan and John Presin Kumar A. Fibre reinforced composites: A promising material for artificial limp. Data-Enabled Discov. Appl. 1-9. 2017. SPRINGER
20. D Chandramohan and Murali, B., Machining of composites - A review, Academic Journal of Manufacturing Engineering,12(3), 67-71,2014.
21. D Chandramohan., Rajesh, S,Study of machining parameters on natural fiber particle reinforced polymer composite material, Academic Journal of Manufacturing Engineering12(3),72-77,2014.
22. D Chandramohan., Bharanichandar, J. Natural fiber reinforced polymer composites for automobile accessories, American Journal of Environmental Sciences,9(6), 494-504,2014.
23. D Chandramohan et.al., “Progress of biomaterials in the field of orthopaedics”, American Journal of Applied Sciences, 11 (4),623-630,2014.
24. D Chandramohan and Bharanichandar, J, Impact test on natural fiber reinforced polymer composite materials, Carbon - Science and Technology,5(3), pp. 314-320,2013