Dr. D. CHANDRA MOHAN

List of publications for Last 5 Years

1. **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** [**SCOPUS]**
2. **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]**
3. **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 [SCI &SCOPUS]**

4. 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. [SCI &SCOPUS]**
5. 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. [SCI &SCOPUS]**
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 [SCI &SCOPUS].**
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8. 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. **ELSEVIER. [SCI &SCOPUS]**
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. [SCI &SCOPUS]** https://doi.org/10.1016/j.matpr.2019.09.141
10. 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. [SCI &SCOPUS].**
11. K. Gurusami, K. Shanmuga Sundaram, **D. Chandramohan**, S. Dinesh Kumar, P. Vasantha Srinivasan & T. Sathish (2019): A comparative study on surface strengthening
12. characterisation and residual stresses of dental alloys using laser shock peening, International Journal of Ambient Energy, DOI: 10.1080/01430750.2019.1614987. **Taylor & Francis** [**SCOPUS].**
13. **D Chandramohan** and John Presin Kumar A. Fibre reinforced composites: A promising material for artificial limp. Data-Enabled Discov. Appl. 1-9**.** 2017. **SPRINGER**

14. 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 [SCI/SCOPUS].**
15. 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 [SCOPUS].**
16. 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, pages 575 - 581. **Anna University Annexure I. [SCI &SCOPUS]**
https://doi.org/10.2298/TSCI190714438T
17. T. Sathish, N. Sabarirajan, **D. Chandramohan** et al., A novel technique to design and production of coil spring in centre lathe,Materials Today: Proceedings, https://doi.org/10.1016/j.matpr.2019.12.015. **ELSEVIER [SCI/SCOPUS].**
18. 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).
19. **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 **[SCI/SCOPUS].**
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21. G. Raja, **D. Chandramohan,** B. K. Gnanavel, and T. Sathish, Numerical analysis of cardiac lead due to internal cable motion, AIP Conference Proceedings 2283, 020085 (2020); https://doi.org/10.1063/5.0024980 **[SCI/SCOPUS].**