Name: Dr. P.Chandramohan

Designation: Professor

Department: Mechanical Engineering

Organization/Institution: Sri Ramakrishna Engineering College, Coimbatore.

Place & Pincode: Coimbatore- 641022

Mobile: 9486771077

E-Mail: chandramohan@srec.ac.in

Manufacturing and Materials processing

Publications (International)- Last Five Years (2016-2020)

- 1. Chandramohan, P., Bhero, S., Obadele, B.A. et al. Laser additive manufactured Ti–6Al–4V alloy: tribology and corrosion studies. Int J Adv Manuf Technol 92, 3051–3061 (2017).
- 2. Sathish Kumar, T.R., Jegadheeswaran, S. & Chandramohan, P. Performance investigation on fin type solar still with paraffin wax as energy storage media. J Therm Anal Calorim 136, 101–112 (2019).
- 3. C.R, Raajeshkrishna & Palanisamy, Chandramohan & Durairaj, Saravanan. (2018). Effect of surface treatment and stacking sequence on mechanical properties of basalt/glass epoxy composites. Polymers and Polymer Composites. 27.
- 4. Chandramohan, P., Bhero, S., Varachia, F. et al. Laser Additive Manufactured Ti–6Al–4V Alloy: Heat Treatment Studies. Trans Indian Inst Met 71, 579–587 (2018).
- 5. C.R, Raajeshkrishna & Palanisamy, Chandramohan & Durairaj, Saravanan & Sabarinathan, C.. (2018). Wear and friction behavior of basalt nanofillers reinforced epoxy nanocomposites. Journal of the Balkan Tribological Association. 24. 484-495.
- Palanisamy, Chandramohan & BHERO, SHEPHERD & Manikandasubramanian, K. & Ravishankar, B.. (2018). A review of additive manufacturing of α- β Ti alloy components through selective laser melting and laser metal deposition. Journal of Engineering Science and Technology. 13. 790-812.
- 7. Mohanraj, M. & Palanisamy, Chandramohan & Sakthivel, M. & Sopian, Kamaruzzaman. (2019). Performance of photovoltaic water pumping systems under the influence of panel cooling. Renewable Energy Focus. 31. 31-44.
- 8. Palanisamy, Chandramohan. (2019). Laser additive manufactured Ti-6Al-4V alloy: Texture analysis. Materials Chemistry and Physics. 226.

- 9. C.R, Raajeshkrishna & Palanisamy, Chandramohan. (2020). Effect of reinforcements and processing method on mechanical properties of glass and basalt epoxy composites. SN Applied Sciences. 2.
- 10. Dirviyam, Philip Selvaraj & Palanisamy, Chandramohan & Chandrasekar, P.. (2018). Experimental investigations of nitrogen alloyed duplex stainless steel in dry milling process. Journal of Engineering Science and Technology. 13. 321-331.
- 11. Toleti, Subba Rao & Palaniappan, Balamurugan & Palogi, Chandramohan. (2016). Corrosion management of carbon steel material: Operational modes influence corrosion rate –An in vitro study. RSC Adv. 6(47), 41122-41129.
- 12. Selvakumar, Mani & Ramkumar, Thulasiram & Mohanraj, M. & Palanisamy, Chandramohan & P., Narayanasamy. (2020). Experimental investigations of reciprocating wear behavior of metal matrix (Ti/TiB) composites. Archives of Civil and Mechanical Engineering. 20(1),1-9.
- 13. Zakaria, Muhammad Razlan & Md Akil, Hazizan & Abdul Kudus, Muhammad Helmi & Shuhadah, Siti. (2014). Enhancement of tensile and thermal properties of epoxy nanocomposites through chemical hybridization of carbon nanotubes and alumina. Composites Part A: Applied Science and Manufacturing. 66. 109–116.
- 14. Palanisamy, Chandramohan & Bhero, S. & Obadele, Babatunde & Olubambi, Peter & Ravisankar, B.. (2018). Effect of built orientation on direct metal laser sintering of TI-6AL-4V. Indian Journal of Engineering and Materials Sciences. 25. 69-77.
- 15. C.R, Raajeshkrishna & Palanisamy, Chandramohan & Saravanan, V.. (2020). Thermomechanical characterization and morphological analysis of nano basalt reinforced epoxy nanocomposites. International Journal of Polymer Analysis and Characterization. 25. 1-11.
- 16. Palanisamy, Chandramohan & Balamurugan, P & Sivaraman, Dinesh. (2019). Effect of fluid flow diversion and venturi size on drip irrigation fertilizer feeding system. Flow Measurement and Instrumentation. 65. 250-256.
- 17. Saravanan, Venkatachalam & Palanisamy, Chandramohan & Mohanraj, M. & Shah, Mr & Bhero, Shepherd. (2016). A Study on Relationship Between Casting Geometric Modulus and Feeding Distance of Ductile Iron Bar-Shaped Castings. International Journal of Metalcasting. 10.
- 18. Tamizhinian, V. & Chandramohan, P. (2020). Development of Stellite 1 hardfacing procedure for crack-free SS 304 stainless steel orifice plate. The International Journal of Advanced Manufacturing Technology. 110. 1-14.
- 19. P. Chandramohan, R. Raghu, D. Pradeesh Kumar, Laser additive manufactured Ti-6Al-4 V alloy: Anodizing and its effects on mechanical properties and corrosion resistance, Material science and Engineering Technology, Volume51, Issue9, September 2020, Pages 1258-1266.

- 20. Thulasiram, Ramkumar & Selvakumar, M. & Mohanraj, M. & Palanisamy, Chandramohan & P., Narayanasamy. (2020). Microstructure and Corrosion Behavior of ZnO-Mg Coating on AISI 4140 Steel Fabricated by Spray Coating. Journal of Materials Engineering and Performance. 1-11.
- 21. Chandramohan, Palanisamy & Raghu, R. & Ravisankar, Balasubramanian. (2020). Anodizing and its effects on mechanical properties and corrosion resistance of laser additive manufactured Ti-6Al-4V alloy. International Journal of Materials Research. 111.
- 22. T. Venugopal; P. Chandramohan, A high strength and wear resisting AA5083 alloy for armoured vehicle applications: structure property correlation, International Journal of Heavy Vehicle Systems, 2020 Vol. 27 No. 1/2.