

Dr. Mahalingam College of Engineering and Technology (Autonomous)

Academic Year 2020-2021

| S.No. | Author Name | Journal Title | Journal Name | Volume and Page No. | Year | Impact Factor |
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| 1. | R Gnanaguru, Rama Thirumurugan, I Rajendran | Investigation of Green Manufacturing in Motor and Pump Industries Through a System Model 'GREEN-6S' | Lecture Notes in Mechanical Engineering, Design and Manufacturing for sustainable Environment, select Proceeding of ICMDMS 2020 | 775-795 | 2021 | - |
| 2. | Shanmugasundaram Natarajan, ThiruMuruganrama, Jayaraj Mahalingam, ShanmugamDharmalingam | Investigation of Static and Dynamic Mechanical Properties of Short Palmyra Palm Leaf Stalk Fiber (PPLSF) Reinforced Polymer Composites | Journal of Natural Fibers | 1-17 | 2021 | 2.622 |
| 3. | R Prithvirajan, P Narayanasamy, Naif Abdullah Al-Dhabi, P Balasundar, R Shyam Kumar, K Ponmurugan, T Ramkumar, S Senthil | Characterization of Musa paradisiaca L. Cellulosic Natural Fibers from Agro-discarded Blossom Petal Waste | Journal of Natural Fibers | 17, 1640-1653 | 2020 | 2.622 |
| 4. | K Raja, VS Chandra Sekar, V Vignesh Kumar, T Ramkumar, P Ganeshan | Microstructure characterization and performance evaluation on AA7075 metal matrix composites using RSM technique | Arabian Journal for Science and Engineering | 45, 9481-9495 | 2020 | 1.711 |
| 5. | T Ramkumar, M Selvakumar, P Chandrasekar, M Mohanraj, R | Monitoring the neural network modelling of wear behaviour of Ti-6Al-4 V reinforced with nano B ₄ C particle | Materials Today: Proceedings | 41, 942-950 | 2021 | - |

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| 6. | K Koppiahraj, S Bathrinath, P Narayanasamy, P Balasundar, BK Parrthipan, S Senthil, T Ramkumar | A review on the factors influencing natural fiber composite materials | Hybrid Natural Fiber Composites Elsevier Book Chapter | 185-205 | 2021 | NA |
| 7. | C Selva Senthil Prabhu, P AshokaVarthanan, T RamKumar | Shot peening effects on fatigue life, corrosion behavior and surface roughness of low carbon alloy steel | Bulletin of the Polish Academy of Sciences: Technical Sciences | e136214-e136214 | 2021 | 1.385 |
| 8. | VinothkumarSivalingam, Yanzhe Zhao, Ramkumar Thulasiram, Jie Sun, ThangapandianNagamala | Machining Behaviour, surface integrity and tool wear analysis in environment friendly turning of Inconel 718 alloy | Measurement | 174, 109028 | 2021 | 3.364 |
| 9. | Ramkumar Thulasiram, Selvakumar Mani, Mohanraj Murugesan, Narayanasamy Pandiyaraj, BalasundarPandiyaraj | Studies on adhesion strength and corrosion behavior of ZnO-Mg coated on AISI 4140 | Surfaces and Interfaces | 23, 100986 | 2021 | 3.724 |
| 10. | T Ramkumar, CAK Arumugam, M Selvakumar | Aging and Corrosion Behavior of Ni-and Cr-Electroplated Coatings on Exhaust Manifold Cast Iron for Automotive Applications | Nanomaterials and Nanocomposites CRC Press, Book Chapter | 111-120 | 2021 | NA |
| 11. | Ramkumar Thulasiram, Selvakumar Mani, Narayanan Ramaswamy, Mohanraj Murugesan | Grain size refinement, texture analysis and effect on the tensile properties of a novel Inconel 718 | Materials Letters | 292, 129633 | 2021 | 3.204 |
| 12. | Ramkumar Thulasiram, Selvakumar Mani, Narayanan Ramaswamy, Mohanraj Murugesan | Wetting phase transition of grain boundaries and material performance of novel Inconel 718 | Materials Letters | 295, 129858 | 2021 | 3.204 |
| 13. | T Ramkumar, M | Effect of deposition thickness on | Proceedings of the | 09544089209857 | 2021 | 1.606 |

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| 14. | T Ramkumar, M Selvakumar | Artificial Intelligence in Predicting the Optimized Wear Behaviour Parameters of Sintered Titanium Grade 5 Reinforced with Nano B ₄ C Particles | Artificial Intelligence in Mechanical and Industrial Engineering CRC Press, Book Chapter | 22-30 | 2021 | NA |
| 15. | S Ayyappan, MSelvakumar ,Muthukannan, Karunaraja, T RamKumar | Energy and exergy analyses of coconut drying in a solar tunnel drier | Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering | 09544089211005 312 | 2021 | 1.606 |