Name : **Dr. M. SHUNMUGA PRIYAN**
Designation : Assistant Professor
Department : Mechanical Engineering
Address : Loyola Institute of Technology and Science
Kanyakumari District
Tamilnadu- 629 302
Phone : 9488888770
E-mail : impriyan25@gmail.com

No. of Publications : 22
(List to be enclosed)

Area of Specialization :
Surface Engineering,
Biodiesel, Tribology,
Composite Materials

PUBLICATIONS :

1. In Situ wear performance on Al 3102 Alloy hybrid composites fabricated by stir casting method M.Shunmuga Priyan, Benjamin, Jith James, Prinu P. Varughese, Roshan Roy,Journal of Modernization Engg. Tech. and Science 2 (3), 466-474, 2020
2. Wear and corrosion behaviour of Ti-based coating on biomedical implants G. Godwin, S.Julyes Jaisingh, M.Shunmuga Priyan, S. Christopher Ezhil Singh ,Surface Engineering, Taylor & Francis, 2020
3. In-situ mechanism of MRR and circularity predicted on SS 304 steel by using ECM process, M Shunmuga Priyan, Telvin John Thomas, Subin Thomas, International Journal of Engineering Research & Technology 8 (3), 107-111, 2019.
4. Wear Studies of Deep Cryogenically Treated SAE 52100 Bearing steel ,MS Priyan, RS SivaJournal of Mechanical Engineering 16 (3), 91-104,2019
5. Residual Stress and Wear Studies of Deep Cryogenically Treated SAE 52100 Bearing Steel,RS Siva, MS Priyan Advanced Materials Proceedings 4 (1), 48-54,2019.
6. Investigations on Coefficient of Friction and Surface Roughness of AA6061+B4C Composites Produced by Stir Casting Process. MS Priyan, A Azad, Journal of Materials Science & Surface Engineering 6 (2), 779-782, 2018
7. Enhancement of Surface Roughness, Kerf Width and MRR on Inconel 715 Alloy Machined by Wire Cut EDM,**MS Priyan**, A K G, A James, J Sebastian, S Benny, Journal of Material Science & Manufacturing Technology 3 (1), 1-18, 2018
8. Investigation of Surface Roughness, Kerf Width and MRR on AISI D2 Steel Machined by Wire EDM **MS Priyan**, JD Darwin, Chemical and Materials Engineering 5 (3), 55-64, 2017
9. Wear and corrosion performance of Fe-based alloy coating on EN24 carbon steel,MS Priyan, A Azad, GM Kumar, Indian Journal of Engineering & Materials Sciences 24 (1), 69-76, 2017

10. Automatic dynamic motion control of hospital bed system, **MS Priyan**, M Yazeen, A Kumar, A Kumar, MR Robin, International Journal of Current Trends in Engineering & Research 3 (3), 138-149, 2017
11. Wear and corrosion studies on iron based alloy powders deposited by HVOF coating method **MS Priyan**, P Hariharan, Anna University, Chennai, 2017
12. Microstructure, Wear and Corrosion Properties-A Review **MS Priyan**, 2017
13. Microstructure, Wear and Corrosion Properties of HVOF Sprayed Thermal Spray Coatings - A Review ,MS Priyan, Journal of Materials Science & Surface Engineering 5 (1), 509 - 519, 2017
14. Wear and Corrosion Studies of Fe–B–Cr Alloy Coating on en 24 Steel by HVOF Thermal Spray Method,MS Priyan, Surface Engineering and Applied Electrochemistry 53 (6), 580-586,2017
15. Tribological and Corrosion Behavior Spray Method-A Review , G Godwin, SJ Jaisingh, MS Priyan, , 2017
16. Tribological and Corrosion Behavior Studies on Cr3C2-NiCr,Powder Coating by HVOF Spray method - A Review G Godwin, SJ Jaisingh, **MS Priyan**, Journal of Materials Science and Surface Engineering 5 (2), 537-543, 2017
17. Design and Fabrication of Automated Bed Control System for Patients, **MS Priyan**, TM Maheswran, R Vishnu, S Iyappan, International Journal for Scientific Research & Development 4 (2), 588-592, 2016
18. Influence of HVOF parameters on the wear resistance of Cr3C2-NiCr coating ,**MS Priyan**, A Azad, SY Araffath, Journal of Materials Science and Surface Engineering 4 (2), 355-359, 2016
19. Investigation of Surface Roughness and MRR on Stainless Steel Machined by WireEDM,MS Priyan, WW Swin, V Anand, P Kelvin, VS Siva, International Journal of Engineering Research & Technology 5 (3), 66-71, 2016
20. Influence of HVOF parameters on the wear resistance of Cr3C2-NiCr coating **MS Priyan**, A Azad, SY Araffath, Journal of Materials Science and Surface Engineering 4 (2), 355-359, 2016
21. Wear Performance of Ti Based Powders Coating on SS 304 by PVD Method,MS Priyan, K Santhosh, MA Sivaraman, S Subith, M Sunil, Journal of Materials Science and Surface Engineering 4 (3), 372-375, 2016

22. Microstructure and Surface Characterization Analysis of FeBCr Based Alloy Coating Produced by HVOF Method ,MS Priyan, P Hariharan, A Azad, S Kumar International journal of Applied Engineering Research 10 (71), 327-331,2015