

IJ:

1. M.Rupesh, K.Ravindra, 'Effect of FDM Process Parameters on Tensile strength of PLA', *International Journal of Creative Research thoughts*, Vol. 9 (8), c147- c151, Aug, 2021.
2. Sk.Md.Hasheer, K.Srinivas, V.Tara Chand, K.Bala Prasad, K.Ravindra, 'Thermodynamic Analysis of Eco-friendly Refrigerant mixtures as an alternative to HFC-134a in household refrigerator', *International Journal of Heat and Technology*, Vol.39(5), 1567-1574,2021. doi:10.18280/ijht.390519.(Scopus Indexed)
3. G.Nagaratnam, K.Srinivas, 'Experimental and Testing of Kevlar chopped mate and Kenaf fibers using Hand layup Technique', *International Journal of Advance Scientific research*, Vol. 6 (7), 1076-1085, July, 2021.
4. Sk. Md. Hasheer, K.Srinivas, and K. Bala Prasad, 'Energy Analysis of HFC-152a, HFO-1234yf and HFC/HFO Mixtures as a Direct Substitute to HFC-134a in a Domestic Refrigerator', *Strojnícky časopis - Journal of Mechanical Engineering* 71.1: 107-120,2021. (Scopus Indexed)
5. G. Kishore Chowdari, D. V. V. Krishna Prasad and S. B. R. Devireddy, 'A micro mechanical and numerical model for effective thermal conductivity of areca fiber and coconut shell particulate reinforced hybrid Composites',*International Journal of Computational Materials ScienceandEngineering*,11(03),April,2022. (WOS,SCOPUS)
6. M.Anuradha, V.ChittaranjanDas, C.Muralimohan,'Effect of filler materials on dissimilar TIG welding of Inconel 718 to high strength steel', *Materials Today Proceedings*,Vol.52(3),1314-1320, 2022.(Scopus Indexed)
7. Hari Prasadarao Pydi, V Chittaranjan das, Robson Gena,' Mechanical Properties of Aluminum Based Metal Matrix Composites – A Review', *International Journal of Mechanical Engineering*, Vol. 7(2), ISSN: 0974-5823, Feb, 2022.
8. Mohamad Reda A. Refaai , Stalin Narayanasamy, V. Chittaranjan Das, D. V. S. S. S. V. Prasad, N. Nalini, Subash Thanappan, 'Mechanical Properties of Ramie/Hemp Hybrid Composites Influenced by Stacking Arrangement and NaOH Treatment', *Advances in Polymer Technology*, <https://doi.org/10.1155/2022/8737669>.(SCI)
9. M.Usha, G.Srinivasa Rao, 'Machining Aspects of Al₂O₃ Nano Cutting Fluids – A Comparative Study', *Tribology in Industry*, Vol. 44(1),1-15,2022, DOI: 10.24874/ti.1032.12.20.03.
10. P.Bharathi, G.Srinivasarao, P.Gopalakrishnaiah, 'Multi-Objective Optimization in Wire Electric Discharge Machining of Ti–6Al–4v using Grey Relational Analysis for Square and Circular Profiles', *International Journal of Modeling, Simulation, and Scientific Computing* 2250003,2022. doi: 10.1142/S1793962322500039. (Scopus Indexed)
11. V.Ramakrishna, G.Srinivasarao, 'Experimental and Testing of Basalt And E Glass Fibers Using various Percentages of Graphite Powder Using Hand Layup Technique', *Journal of Huazhong University of Science and Technology*, Vol. 50 (8), 1-15, 202
12. G.Srinivasarao, 'Modeling and optimization of WEDM parameters for surface roughness using Response Surface methodology', *Proceedings of the 9th Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering*, Indian Institute of Technology Ropar, Punjab, Dec, 9-11, 2021.
13. Jush Kumar Siddani, C.Srinivas, P.Saritha, P.Chinna Sreenivas Rao, 'Effect of EDM-Drilling Process Parameters Using Brass, Copper And Zinc Coated Tubular Electrodes on Drilling of Ti-6al-4v', *Turkish Online Journal of Qualitative Inquiry*, Vol. 6, 6114 - 6124, July 2021. (Scopus Indexed)
14. B.Supraja Reddy, B.Ramgopal Reddy, 'Influence of Process Parameters and Tool on Mechanical and Metallurgical Properties of Pure Copper and Aluminum Alloy AA7075

- Dissimilar Friction Stir Welded Joint', *International Journal of Engineering Trends and Technology*, Vol. 69 (9), 73-79, 2021 (Scopus Indexed).
15. Ranga Reddy Nallabothula, B.Ramgopal Reddy, 'Experimental Investigation of Wear Resistance of Coconut Shell Ash and Fly Ash Reinforced Aluminum Metal Matrix Composite', *Journal of Huazhong University of Science and Technology*, Vol. 50 (8), 1-9, 2021. (Scopus Indexed)
 16. Ramgopal Reddy Bijjam, Srinivas Chandanam, Govind Nandipati, Sneha H. Dhoria, 'Optimization of Machining Parameters in Drilling of Glass/Hemp/Bamboo Fibres Based Hybrid Polymer Composites', *Annales de Chimie - Science des Matériaux*, Vol. 46(3), 127-133, 2022 (WOS,SCOPUS).
 17. M.M.Rao, N.V.V.S. Sudheer, S.A. Basha, 'Chemical Characterization of cow urine for cooling media application in Metallurgical Operations', *International Journal of Engineering Trends and Technology*, 69(10), 52–56, 2021. (Scopus Indexed)
 18. N. Santhi Sree, N.V.V.S. Sudheer, P. Bhramara, 'Mathematical Modeling of Closed Loop Pulsating Heat Pipe by Using Artificial Neural Networks', *International Journal of Heat and Technology* Vol. 39(3), 955-962, 2021. (Scopus Indexed)
 19. M.Subbarao, G.Chaitanya, 'Fabrication and Testing of Hybrid Fiber Composite with Experimentation and Finite Element method using Hand layup technique', *International Journal of Advance Scientific research*, Vol. 6 (8), 1076-1085, Aug, 2021.
 20. G.Nagarjuna, N.Govind, 'Comparison of Computational Methods by Applying on Transient Couette Magnetic Nano Fluid Flow', *Design Engineering*, 6462-6470, 2021.
 21. Y.Shireesha, N.Govind, 'Optimization Using Response Surface Methodology and Artificial Neural Network in Geared Drilling', *International Journal of Modern Manufacturing Technologies*, <https://doi.org/10.54684/ijmmt.2021.13.2.116>. (Scopus).
 22. K.Hari Prasad, C.Ananda Srinivasan, and K.Praveen Kumar, 'Performance and Emission Evaluation of Direct Injection Diesel Engine Using Canola, Sesame Biodiesels with N-Butanol', *Strojnícky časopis-Journal of Mechanical Engineering* 71(1), 139-148,2021. (Scopus Indexed)
 23. Ch.Kamprasad, K.Praveen Kumar, 'Applications of Magnesium Metal Matrix Composites - A Review' , *Design Engineering*, Vol.2021(5),2435 - 2445, 2021.
 24. R.N.D.S.S. Kiran, C. Aparna, S.Radhika, 'An Enhanced Weight Update method for simplified ARTMAP to classify Groundwater data', *International Journal of Design & Nature and Ecodynamics*, Vol. 16 (5), 517-524, Oct, 2021.doi: 10.18280/ij dne.160505. (Scopus Indexed)
 25. B.Lokesh Sriram, S.Radhika, B.Sateesh, N.Ramudu, 'Smart Garbage Management System', 3rd International Conference on Processing and Characterization of Materials, Dept. of Metallurgical and Materials Engineering, National Institute of Technology, Rourkela, Dec, 07-08, 2021.
 26. B.Lokesh Sriram, S.Radhika, B.Sateesh, N.Ramudu, 'Smart Garbage Management System', 3rd International Conference on Processing and Characterization of Materials, Dept. of Metallurgical and Materials Engineering, National Institute of Technology, Rourkela, Dec, 07-08, 2021.
 27. M. Ravi Kumar, V.Venkata Reddy, V. RamaKoteswara Rao and K.Srinivasulu Reddy, 'Wear and Frictional Behavior of Al 7075/FA/SiC Hybrid MMC's using Response Surface Methodology', *Silicon*, 2021, <https://doi.org/10.1007/s12633-021-01300-3>. (Scopus Indexed)
 28. Sadineni RamaRao, M.Ravi Kumar and V.Ramakoteswara Rao, 'Multi-Objective Optimization In Turning of Al 7075-Sic Composites Using Desirability Analysis', <https://doi.org/10.1016/j.matpr.2021.11.256>. (Scopus Indexed)

29. S. Rama Rao, M.Ravi Kumar, V.Rama koteswarao Rao, 'Multi-objective optimization in turning of -Sic composites using desirability analysis', *Materials today proceedings*, Vol: 56(3), 1281-1289, 2022. <https://doi.org/10.1016/j.matpr.2021.11.256>.(Scopus)
30. Reddy Sreenivasulu, Ch.SrinivasaRao, 'Optimization of Drilling Parameters during machining of Al-Mg-Si Alloys by Taguchi Method coupled with Grey Relational Analysis and validated by FEA based DEFORM - 3D, *Strojníckyčasopis–Journal of Mechanical Engineering*, E-ISSN:2450-5471, Vol. 71 (2), 221-238, 2021. doi: 10.2478/scjme-2021-0032 (Scopus Indexed)
31. Reddy Sreenivasulu, 'Industrial Digitalization with Fourth Dimensional (4D) Printing - Novel Technology: Brief Review on Developments, Challenges and Applications', *Gazi University Journal of Science*, ISSN: 2147-1762, Vol:35(2), 682-693, June 2022, DOI: 10.35378/gujs.906652. (SCOPUS)
32. Reddy Sreenivasulu, 'Optimization of Machining Parameters in Drilling of AA 7075 alloys using TOPSIS and Taguchi Method, 2nd International Conference on Future Technologies in Manufacturing, Automation, Design and Energy, National Institute of Technology, Puducherry, Dec, 16-18, 2021.
33. Y.N.V.Sairam, C.Tarasasanka, J.Prabakaran, 'Application of MADM Methods for the Synthesis of Alumina/Lanthanum Hexa-aluminate Powders by Chemical Precipitation and Filtration Method', *IOP Conference Series: Materials Science and Engineering* 1185 (1), 012001,2021, doi:10.1088/1757-899X/1185/1/012001. (Scopus Indexed)
34. J.P.Karthik, C.Tara Sasanka, C.M. Raguraman, 'Optimization of Process Parameters for preparation of Coal water slurry using Ant Colony Optimization and Hydrodynamic Simulation', *International Journal of Coal Preparation and Utilization*, 2021, <https://doi.org/10.1080/19392699.2021.1986032>.(SCI-e)
35. YNV Sai Ram, C.Tarasasanka, J Prabakaran, 'Optimization of Dry-Sliding Wear Parameters on Lanthanum Hexa- Aluminate Reinforced Magnesium AZ91E Composites Using Grey Relation Analysis', *Nano Hybrids and Composites*, ISSN:2297-3400, Vol.35, 55-73, April, 2022. <https://doi.org/10.4028/P-08W7LK> (ESCI,WOS).
36. Y.N.V.Sai Ram, C.Tarasasanka, J.Prabakaran, 'Mechanical and Tribological Studies on AZ91E Magnesium alloy reinforced with Lanthanum Hexa-aluminate nano particles', *Arabian Journal for Science and Engineering*, April,2022 (SCIE,SCOPUS,WOS).
37. D.Swapna and Ch. Srinivasa Rao, "Optimization of Punch Force and Thickness variation in Forming of Al-Mg-Si Alloys under Non-Isothermal Conditions" *International Journal of Modern Manufacturing Technologies*, Vol.XII, ISSN 2067–3604,180-189, June 2020 (SCOPUS).
38. Sneha.H.Dhoria, R.Meenakshi Reddy, T.Raja, Pradeep kumar, Nasif, Jenish, et.al 'Studies on Mechanical Properties of Kevlar/Napier Grass Fibers reinforced with Polymer Matrix Hybrid Composite', *Advances in Materials Science and Engineering*, Vol. 2021. <https://doi.org/10.1155/2021/6907631>.(SCI-e).
39. Sai Kumar M.V., Sai Ram Y.N.V. (2022) Tribological Behaviour of Carbon Fiber Reinforced Polyester Composites. In: Kumari R., Majumdar J.D., Behera A. (eds) *Recent Advances in Manufacturing Processes. Lecture Notes in Mechanical Engineering*. Springer, Singapore. https://doi.org/10.1007/978-981-16-3686-8_1
40. Krishna Vamsi A.A., Dheeraj Kumar S., Sai Ram Y.N.V. (2022) Tribological Behaviour of Silicon Carbide Reinforced AA2024 Composites. In: Kumari R., Majumdar J.D., Behera A. (eds) *Recent Advances in Manufacturing Processes. Lecture Notes in Mechanical Engineering*. Springer, Singapore. https://doi.org/10.1007/978-981-16-3686-8_2