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1. Alagappan, K. M., Vijayaraghavan, S., Jenarthanan, M. P., & Giridharan, R. (2020). Optimization of process parameters on drilling of natural fibres reinforced in epoxy resin matrices using Taguchi–Grey relational analysis. *Multidiscipline Modeling in Materials and Structures*.

2. Rajaraman, G., Agasti, S. K., & Jenarthanan, M. P. (2020). Investigation on effect of process parameters on delamination during drilling of kenaf-banana fiber reinforced in epoxy hybrid composite using Taguchi method. *Polymer Composites*, *41*(3), 994-1002.

3. Giridharan, R., Anirudh, S. J., Anirudh, S., & Jenarthanan, M. P. (2020). Investigation of Compressive Properties of Hybrid Aloe vera/Silica Nanoparticles Composite. In *Proceedings of ICDMC 2019* (pp. 343-347). Springer, Singapore.

4. Giridharan, R., Anerudh, N., Srivan, M. M., & Jenarthanan, M. P. (2020). A Study on Investigation of Tensile Properties of Aloe vera Fiber Reinforced Epoxy Composites. In *Proceedings of ICDMC 2019* (pp. 349-355). Springer, Singapore.

5. Alagappan, K. M., Vijayaraghavan, S., Giridharan, R., & Jenarthanan, M. P. (2020). Experimental Investigation on Drilling of Kenaf-Banana Fiber-Reinforced Hybrid Fibre-Reinforced Polymer Composites. In *Proceedings of ICDMC 2019* (pp. 357-366). Springer, Singapore.

6. Karthikeyan, M., Jenarthanan, M. P., Giridharan, R., & Shunmugesh, K. (2019). Investigation on Crash Analysis of a Frontal Car Bumper. *Transactions of the Indian Institute of Metals*, *72*(10), 2699-2709.

7. Giridharan, R., Raatan, V. S., & Jenarthanan, M. P. (2019). Experimental study on effect of fiber length and fiber content on tensile and flexural properties of bamboo fiber/epoxy composite. *Multidiscipline Modeling in Materials and Structures*.

8. Giridharan, R., & Jenarthanan, M. P. (2019). Preparation and characterisation of glass and cotton fibers reinforced epoxy hybrid composites. *Pigment & Resin Technology*.

9. Sakthivel, M., Jenarthanan, M., & Raja, P. (2019). Mechanical properties, degradation and flue gas analysis of basalt and glass fiber reinforced recycled polypropylene. *Materials Testing*, *61*(6), 579-583.

10. Jenarthanan, M. P., Marappan, K., & Giridharan, R. (2019). Evaluation of mechanical properties of e-glass and aloe vera fiber reinforced with polyester and epoxy resin matrices. *Pigment & Resin Technology*.

11. Narayanan, N. S., Baskar, N., Ganesan, M., Jenarthanan, M. P., & Praveen, S. (2019). Evaluation and Optimization of Surface Roughness and Metal Removal Rate Through RSM, GRA, and TOPSIS Techniques in Turning PTFE Polymers. In *Advances in Manufacturing Technology* (pp. 595-605). Springer, Singapore.

12. Karthikeyan, M., Jenarthanan, M. P., Giridharan, R., & Anirudh, S. J. (2019). Effects of Wall Thinning Behaviour During Pipe Bending Process—An Experimental Study. In *Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018)* (pp. 315-324). Springer, Singapore.

13. Thomas, P., Jenarthanan, M. P., & Sreehari, V. M. (2018). Free vibration analysis of a composite reinforced with natural fibers employing finite element and experimental techniques. *Journal of Natural Fibers*.

14. Ramesh, S., Jenarthanan, M. P., & AS, B. K. (2018). Experimental investigation of powder-mixed electric discharge machining of AISI P20 steel using different powders and tool materials. *Multidiscipline Modeling in Materials and Structures*.

15. Murugesan, K., Kalaichelvan, K., Jenarthanan, M. P., & Sornakumar, T. (2018). Enhancement of vibration characteristics in filament wound FRP composite shafts using nitinol wires. *Pigment & Resin Technology*.

16. Jenarthanan, M. P., & Marappan, K. (2018). Tensile behavior of aloe vera fiber reinforced epoxy and polyester resin matrix composites. *Pigment & Resin Technology*.

17. Neeli, N., Jenarthanan, M. P., & Kumar, G. D. (2018). Multi-response optimization for machining GFRP composites using GRA and DFA. *Multidiscipline Modeling in Materials and Structures*.

18. Jenarthanan, M. P., Jeyaraj, S., & Shunmugesh, K. (2018). Experimental Investigation on Electro-codeposition Nickel-Weld Slag Composite Coating. *Transactions of the Indian Institute of Metals*, *71*(7), 1771-1779.

19. Karthikeyan, M., & Jenarthanan, M. P. (2018). Experimental study of wall thinning behaviour in boiler pipes during bending process. *Australian Journal of Mechanical Engineering*, 1-7.

20. Jenarthanan, M. P., Gavireddy, P. K. R., Gummadi, C. S., & Mandapaka, S. R. (2018). Optimization of process parameters on machining force and MRR during end milling of GFRP composites using GRA. *World Journal of Engineering*.

21. Ramesh, S., & Jenarthanan, M. P. (2018). Investigating the performance of powder mixed electric discharge machining of Nimonic 75 by using different tool materials. *World Journal of Engineering*.

22. Marappan, K., & Jenarthanan, M. P. (2018). Design of parabolic leaf spring for light duty automobile. *World Journal of Engineering*.

23. Jenarthanan, M. P., & Singh, A. K. (2018). Fly ash-based green composite as pipe, gear and blade. *World Journal of Engineering*.

24. Jenarthanan, M. P., Kumar, S. R., Venkatesh, G., & Nishanthan, S. (2018). Analysis of leaf spring using Carbon/Glass Epoxy and EN45 using ANSYS: A comparison. *Materials Today: Proceedings*, *5*(6), 14512-14519.

25. Jenarthanan, M. P., Varma, C. V., & Manohar, V. K. (2018). Impact of friction stir welding (FSW) process parameters on tensile strength during dissimilar welds of AA2014 and AA6061. *Materials Today: Proceedings*, *5*(6), 14384-14391.

26. Jenarthanan, M. P., Karthikeyan, M., & Neeli, N. (2017). Mathematical modeling of delamination factor on drilling of ARALL composites through RSM. *Multidiscipline Modeling in Materials and Structures*.

27. Rajkumar, D., Ranjithkumar, P., & Jenarthanan, M. P. (2017). Experimental investigation and analysis of factors influencing delamination and thrust force during drilling of carbon-fibre reinforced polymer composites. *Pigment & Resin Technology*.

28. Jenarthanan, M. P., Gujjalapudi, V. S. S., & Venkatraman, V. (2017). Multi-objective optimization in end-milling of glass fiber reinforced polymer composites using desirability functional analysis and grey relational analysis. *Multidiscipline Modeling in Materials and Structures*.

29. Sakthivel, M., Vijayakumar, S., & Jenarthanan, M. P. (2017). Grey-fuzzy logic to optimise process parameters in drilling of glass fibre reinforced stainless steel mesh polymer composite. *Pigment & Resin Technology*.

30. Jenarthanan, M. P., Gokulakrishnan, R., Jagannaath, B., & Raj, P. G. (2017). Multi-objective optimization in end milling of GFRP composites using Taguchi techniques with principal component analysis. *Multidiscipline Modeling in Materials and Structures*.

31. Jenarthanan, M. P., Jeyapaul, R., & Ramesh Kumar, S. (2017). Comparative analysis of delamination factor prediction using RSM and ANN during endmilling of GFRP composites. *Australian Journal of Mechanical Engineering*, *15*(2), 111-124.

32. Jenarthanan, M. P., Kumar, R., & Vinoth, S. (2017). Multi-objective optimisation on end milling of hybrid fibre-reinforced polymer composites using GRA. *Pigment & Resin Technology*.

33. Jagathesh, K., Jenarthanan, M. P., Babu, P. D., & Chanakyan, C. (2017). Analysis of factors influencing tensile strength in dissimilar welds of AA2024 and AA6061 produced by friction stir welding (FSW). *Australian Journal of Mechanical Engineering*, *15*(1), 19-26.

34. Desikan, B., & Jenarthanan, M. P. (2017). Mathematical modeling of surface roughness during drilling of resin hybrid GFRP composites. In *Applied Mechanics and Materials* (Vol. 854, pp. 18-25). Trans Tech Publications Ltd.

35. Jenarthanan, M. P., Prakash, A. L., & Jeyapaul, R. (2016). Experimental investigation and analysis of factors influencing delamination and surface roughness of hybrid GFRP laminates using Taguchi technique. *Pigment & Resin Technology*.

36. Jenarthanan, M. P., Prakash, A. L., & Jeyapaul, R. (2016). Mathematical modeling of delamination factor on end milling of hybrid GFRP composites through RSM. *Pigment & Resin Technology*.

37. Jenarthanan, M. P., Prakash, A. R., & Jeyapaul, R. (2016). Experimental investigation of machinability characteristics in Al-TiB2 metal matrix composite (MMC) based on the Taguchi method with fuzzy logics. *Multidiscipline Modeling in Materials and Structures*.

38. Jenarthanan, M. P., Prakash, A. L., & Jeyapaul, R. (2016). Experimental investigation and analysis of machinability behaviour of hybrid GFRP composites during end milling. *Pigment & Resin Technology*.

39. Jenarthanan, M. P., Ramesh Kumar, S., & Jeyapaul, R. (2016). Modelling of machining force in end milling of GFRP composites using MRA and ANN. *Australian Journal of Mechanical Engineering*, *14*(2), 104-114.

40. Jenarthanan, M. P., Subramanian, A. A., & Jeyapaul, R. (2016). Comparative analysis of surface roughness prediction using DOE and ANN techniques during endmilling of glass fibre reinforced polymer (GFRP) composites. *Pigment & Resin Technology*.

41. Jenarthanan, M. P., Nishanth, G., & Bharathwaj, R. (2016). Optimization of machining parameters in end milling of GFRP composites based on the Taguchi method with fuzzy logics. *International Journal of Knowledge-based and Intelligent Engineering Systems*, *20*(3), 123-134.

42. Jenarthanan, M. P., Prakash, A. R., & Jeyapaul, R. (2015). Modeling and analysis of process parameters on metal removal rate (MRR) in machining of aluminium titanium diboride (Al-TiB2) composite. *Multidiscipline Modeling in Materials and Structures*.

43. Mugundhu, J. P., Subramanian, S., & Subramanian, A. (2015). Analysis and optimisation of machinability behavior of GFRP composites using fuzzy logic. *Multidiscipline Modeling in Materials and Structures*.

44. Jenarthanan, M. P., & Naresh, N. (2015). Process parameters optimization on machining force and delamination factor in milling of GFRP composites using grey relational analysis.