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List of Publications:

1. K Vignesh, **U Natarajan**, MA Jaswin, MDAA Prakash, Optimization on mechanical behavior of coconut shell powder and coir fiber reinforced polyester composites using Grey-Taguchi method, Journal of Polymer Materials 32 (3), 291, 2015.
2. E Mohan, **U Natarajan**, Experimental investigation on boring tool vibration control using MR fluid damper, Journal of Advanced Manufacturing Systems 15 (01), 13-25, 2016.
3. K Vignesh, G Ramasivam, **U Natarajan**, C Srinivasan, Optimization of process parameters to enhance the mechanical properties of bone powder and coir fiber reinforced polyester composites by Taguchi method, APRN Journal of Engineering and Applied Sciences 11 (2), 1224-1231, 2016.
4. S Chockalingam, **U Natarajan**, A George Cyril, Damping investigation in boring bar using hybrid copper-zinc particles, Journal of Vibration and Control 23 (13), 2128-2134, 2017.
5. R Jamuna, **U Natarajan**, A Elango, S Jayavel, P Gokulkumar, V Shakil Investigation of Spindle Thermal Expansion in CNC Machine, Journal of Advanced Manufacturing Systems 15 (01), 27-34, 2016.
6. S Chockalingam, **U Natarajan**, SK Sundaram, Modeling and Optimization of Tool Wear in a Passively Damped Boring process using Response Surface Methodology, Transactions of the Indian Institute of Metals 69 (7), 1443-1448, 2016.
7. MDAA Prakash, MA Jaswin, **U Natarajan**, K Vignesh, Influence of Coir Fiber Diameter and Length on Mechanical Behavior of Coconut Shell Powder-Based Polyester Resin Composites, Journal of Testing and Evaluation 49 (2), 2019

8. B Selvam, **U Natarajan**, M Balasubramonian, SK Lakshmanaprabu, Trajectory tracking control of two-link industrial robot manipulator based on C++, International Journal of Rapid Manufacturing 8 (1-2), 3-15, 2019
9. B Selvam, **U Natarajan**, C++ Based Dynamic Characterization of Single Link Flexible Manipulator, 2018.
10. R Jamuna, **U Natarajan**, S Chockalingam, Investigation of CNC Errors by Wireless Ball bar tester, Square Circle Diamond Test and CMM, 2018.
11. **U Natarajan**, E. Mohan, Semi-active control of internal turning tool vibrations using smart Magneto-Rheological fluid damper, Journal of the Chinese society of Mechanical Engineers 39 (02), 406-416, 2018
12. **U Natarajan**, C Subharaj, A Elango, Simulation based sustainable manufacturing system design with cost reduction achievements, South Eastern University of Sri Lanka, University Park, Oluvil, Sri Lanka, 2017
13. **U Natarajan**, R Saravanan, VM Periasamy, Erratum to: Application of particle swarm optimisation in artificial neural network for the prediction of tool life, The International Journal of Advanced Manufacturing Technology 90 (5-8), 2017
14. E Mohan, **U Natarajan**, LM Azaath , Experimental analysis of vibration control in boring operation using passive damper, 2017
15. L Mamundi Azaath, **U Natarajan**, E Mohan, Comparative analysis of tool tip temperature using DEFORM2D and Advant Edge, 2017
16. S Chockalingam, **U Natarajan**, M Selvam, AG Cyril, Investigation on Machinability and Damping Properties of Nickel–Phosphorus Coated Boring bar, Arabian Journal for Science and Engineering 41 (2), 669-676, 2016
17. **U Natarajan**, Investigation on machinability and damping performance by modification of boring bar using passive damping method, Chennai, 2016

18. P Suresh, S Ramabalan, **U Natarajan**, An Integrated Approach for the Sustainable Development of an Automotive Component Using CAD/CAE, DFE and DFMA Concept, Applied Mechanics and Materials 766, 1009-1014, 2015
19. P Suresh, S Ramabalan, **U Natarajan**, Product Development in an Automotive Component Using Design for Manufacturing and Assembly (DFMA) Concept, International Journal of Applied Engineering Research 10 (51), 2015
20. N Babu, **U Natarajan**, R Malayalamurthi “Evaluating mechanical and metallurgical properties of gas tungsten arc welded AA 5059 aluminium alloy joints” Materials Today: Proceedings, 2019
21. C Subharaj, **U Natarajan**, X Hyacinth Suganthi “Sustainable eco-design for fixture index mechanism in crankshaft speed sensor assembly line” Advances in Mechanical Engineering, 2019
22. MDAA Prakash, MA Jaswin, **U Natarajan**, K Vignesh “Influence of Coir Fiber Diameter and Length on Mechanical Behavior of Coconut Shell Powder–Based Polyester Resin Composites” Journal of Testing and Evaluation, 2019
23. G Sathyapriya, **U Natarajan** “Analysis of compliant damper and its effect on turning operation for improving surface quality” International Journal of Rapid Manufacturing, 2019
24. Bose Selvam, **U Natarajan**, M Balasubramonian, SK Lakshmanaprabu “Trajectory tracking control of two-link industrial robot manipulator based on C++” International Journal of Rapid Manufacturing, 2019.
