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Publications:

1. A Saravanan, J Jerald, ADC Rani, 2020, An explicit methodology for manufacturing cost–tolerance modeling and optimization using the neural network integrated with the genetic algorithm, AI EDAM 34 (3), 430-443
2. S Venkatesan, J Jerald, P Asokan, R Harichandran, 2020, A study on the mechanical and corrosion behaviour of bronze–TiB₂ metal matrix composites, Materials Today: Proceedings
3. A Saravanan, J Jerald, A Delphin Carolina Rani, (2019), An intelligent constitutive and collaborative framework by integrating the design, inspection and testing activities using a cloud platform, International Journal of Computer Integrated Manufacturing 33 (5), 440-459
4. S Venkatesan, J Jerald, P Asokan, R Prabakaran, (2019), A Comprehensive Review on Microfluidics Technology and its Applications, Recent Advances in Mechanical Engineering, 235-245
5. T Venkatesan, J Jerald, P Asokan, (2019), Performance Analysis of Temperature and MRR Using High-Speed Micro-Drilling on Incoloy 800 Superalloy, Recent Advances in Mechanical Engineering, 313-320
6. SS Kumar, J Jerald, (2019), Optimization of Electrical Discharge Machining of Al-Mg-TiO₂ Metal Matrix Nanocomposites, EasyChair

7. SU Sherif, P Sasikumar, P Asokan, J Jerald, (2019), An eco-friendly closed loop supply chain network with multi-facility allocated centralized depots for bidirectional flow in a battery manufacturing industry, *Journal of Advances in Management Research*
8. T Venkatesan, J Jerald, P Asokan, (2019), Performance analysis of cryogenically assisted high speed micro drilling of Incoloy 800 super alloy, *Materials Research Express* 6 (8), 086565
9. A Saravanan, J Jerald (2019), Ontological model-based optimal determination of geometric tolerances in an assembly using the hybridised neural network and Genetic algorithm, *Journal of Engineering Design* 30 (4-5), 180-198
10. SU Sherif, P Sasikumar, P Asokan, J Jerald (2019), Bi-objective optimisation model with societal constraints for green closed loop supply chain network-a case of battery industry, *International Journal of Productivity and Quality Management* 27 (3), 276-304
11. JC Pilligrin, P Asokan, J Jerald, G Kanagaraj (2018), Effects of electrode materials on performance measures of electrical discharge micro-machining, *Materials and Manufacturing Processes* 33 (6), 606-615
12. T Venkatesan, J Jerald, JC Pilligrin, P Asokan, (2018), Experimental investigation on micro drilling of Inconel 718 super alloy, *International Journal of Machining and Machinability of Materials* 20 (1), 48-63
13. J Cyril, A Paravasu, J Jerald, K Sumit, G Kanagaraj, (2017) Experimental investigation on performance of additive mixed dielectric during micro-electric discharge drilling on 316L stainless steel, *Materials and Manufacturing Processes* 32 (6), 638-644
14. J Cyril Pilligrin, P Asokan, J Jerald, G Kanagaraj, J Mukund Nilakantan., 2017, Tool speed and polarity effects in micro-EDM drilling of 316L stainless steel, *Production & Manufacturing Research* 5 (1), 99-117
15. SP Leo Kumar, J Jerald, S Kumanan, (2015), Feature-based modelling and process parameters selection in a CAPP system for prismatic micro parts, *International Journal of Computer Integrated Manufacturing* 28 (10), 1046-1062
16. SPL Kumar, J Jerald, S Kumanan (2015), Mathematical Modeling of Micro End Milling Process and Establishing Parameters to Develop A CAPP System, *Proceedings of the International Conference on Advances in Production*,