

List of Publications

- 1) An empirical investigation on association between human factors, ergonomics and lean manufacturing. TSakthiNagaraj, **R Jeyapaul**. Production Planning & Control, pp.1-15, 2020
- 2) Analysing organisational competitiveness through sustainable manufacturing using a hierarchical approach. K Sivakumar, **R Jeyapaul**, KEK Vimal. International Journal of Process Management and Benchmarking Vol.10 No 4, pp.550-577, 2020
- 3) Analysis of parameter selection for solar radiation prediction and global solar radiation prediction model using polynomial regression. P Marimuthu, P Chinnamuthu, **R Jeyapaul**. International Journal of Mathematics in Operational Research Vol.16 No 4, pp.469-479, 2020
- 4) The mean flow time in open shop scheduling. AH Lal, KR Vishnu, ANHaq, **R Jeyapaul**. Journal of Advances in Management Research. Vol. 17 No. 2, pp. 251-261, 2019
- 5) Integration of human factors and ergonomics into lean implementation: ergonomic-value stream map approach in the textile industry. T SakthiNagaraj, **R Jeyapaul**, KEK Vimal, K Mathiyazhagan. Production Planning & Control Vol.30 No.15, pp 1265-1282, 2019
- 6) Evaluation of ergonomic working conditions among standing sewing machine operators in Sri Lanka. TS Nagaraj, **R Jeyapaul**, K Mathiyazhagan. International Journal of Industrial Ergonomics Vol. 70, pp.70-83, 2019
- 7) A DEMATEL approach for evaluating barriers for sustainable end-of-life practices. K Sivakumar, **R Jeyapaul**, KEK Vimal, P Ravi. Journal Of Manufacturing Technology Management. Vol. 29 No. 6, pp. 1065-1091, 2018
- 8) Preparation of aluminium calcium oxide composite material using stir casting method and testing of its mechanical properties. S Mahendran, **R Jeyapaul**. Comptes Rendus De L Academie Bulgare Des Sciences Vol. 71 No. 10, pp.1388-1393, 2018
- 9) Analysis of lean manufacturing in an automobile industry-a case study. S Mahendran, ASenthilkumar, **R Jeyapaul**. International Journal of Enterprise Network Management Vol. 9 No.2, pp 129-142, 2018
- 10) Ergonomic Study on Work Postures of Sewing Machine Operators in Government Industry: A Case in Lean Environment Garment Industry. TS Nagaraj, **R Jeyapaul**. Ergonomic Design of Products and Worksystems-21st Century Perspectives of Asia, pp.83-101, 2018
- 11) Comparative analysis of delamination factor prediction using RSM and ANN during endmilling of GFRP composites. MP Jenarathanan, **R Jeyapaul**, S Ramesh Kumar. Australian Journal of Mechanical Engineering Vol. 15 No. 2, pp.111-124, 2017
- 12) An ant colony optimization-based approach for a single-product flow-line reconfigurable manufacturing systems. M Maniraj, V Pakkirisamy, **R Jeyapaul**. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture. Vol. 231 No. 7, pp.1229-1236, 2017
- 13) Modelling of an artificial neural network for electrical discharge machining of hot pressed zirconium diboride-silicon carbide composites. S Sivasankar, **R Jeyapaul**. Transactions of FAMENA Vol. 40 No. 3, pp 67-80, 2016
- 14) Experimental investigation and analysis of factors influencing delamination and surface roughness of hybrid GFRP laminates using Taguchi technique. MP Jenarathanan, AL Prakash, **R Jeyapaul**. Pigment & Resin Technology, ISSN: 0369-9420, Vol. 45 No. 6, pp. 463-475, 2016

- 15) Optimization of EDM process parameters in machining Si₃N₄–TiN conductive ceramic composites to improve form and orientation tolerances. L Selvarajan, CS Narayanan, **R Jeyapaul**, M Manohar. Measurement Vol. 92, pp 114-129, 2016
- 16) Mathematical modeling of delamination factor on end milling of hybrid GFRP composites through RSM. MP Jenarthanan, AL Prakash, **R Jeyapaul**. Pigment & Resin Technology. Vol. 45 No. 5, pp. 371-379, 2016
- 17) Experimental investigation of machinability characteristics in Al-TiB₂ metal matrix composite (MMC) based on the Taguchi method with fuzzy logics. MP Jenarthanan, AR Prakash, **R Jeyapaul**. Multidiscipline Modeling in Materials and Structures. Vol. 12 No. 1, pp. 177-193, 2016
- 18) Experimental investigation and analysis of machinability behaviour of hybrid GFRP composites during end milling. MP Jenarthanan, AL Prakash, **R Jeyapaul**. Pigment & Resin Technology. Vol. 45 No. 3, pp. 206-214, 2016
- 19) Modelling of machining force in end milling of GFRP composites using MRA and ANN. MP Jenarthanan, S Ramesh Kumar, **R Jeyapaul**. Australian Journal of Mechanical Engineering. Vol 14 No.2, pp 104-114, 2016
- 20) Optimization of EDM Parameters on Machining Si₃N₄–TiN Composite for Improving Circularity, Cylindricity, and Perpendicularity. L Selvarajan, CS Narayanan, **R Jeyapaul**. Materials and Manufacturing Processes Vol 31 No.4, pp405-412, 2016
- 21) Comparative analysis of surface roughness prediction using DOE and ANN techniques during endmilling of glass fibre reinforced polymer (GFRP) composites. MP Jenarthanan, AA Subramanian, **R Jeyapaul**. Pigment & Resin Technology, Vol. 45 No. 2, pp. 126-139, 2016
- 22) Characterization of ZrB₂-SiC composites with an analytical study on material removal rate and tool wear rate during Electrical Discharge Machining. S Sivasankar, **R Jeyapaul**. Transactions of the Canadian Society for Mechanical Engineering Vol. 40 No.3, pp331-349, 2016
- 23) Lean Manufacturing in a Manufacturing Industry through Value Stream Mapping and Simulation Study. S Mahendran, AS Kumar, **R Jeyapaul**. Int J AdvEngg Tech. Vol. 7 No. 1, pp 554, 558, 2016
- 24) Optimization of EDM Hole Drilling Parameters in Machining of MoSi₂-SiC Intermetallic/Composites for Improving Geometrical Tolerances. L Selvarajan, C Sathiya Narayanan, **R Jeyapaul**. Journal of Advanced Manufacturing Systems Vol. 14 No. 04, pp 259-272, 2015
- 25) Modeling and analysis of process parameters on metal removal rate (MRR) in machining of aluminium titanium diboride (Al-TiB₂) composite. MP Jenarthanan, AR Prakash, **R Jeyapaul**. Multidiscipline Modeling in Materials and Structures2, Vol. 11 No. 3, pp. 372-385, 2015
- 26) Optimization of process parameters to improve form and orientation tolerances in EDM of MoSi₂-SiC composites. L Selvarajan, C Sathiya Narayanan, **R Jeyapaul**. Materials and Manufacturing Processes Vol. 30 No.8, pp 954-960, 2015
- 27) Analysis and optimisation of machinability behaviour of CFRP composites using fuzzy logic. MP Jenarthanan, **R Jeyapaul**. Pigment & Resin Technology, 2015