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List of Publications: (2016 – 2020)

- Eco Friendly Machining Processes for Sustainability-Review T Rajmohan, VVK Chakravarthy, A Nandakumar, SDS Kumar IOP Conference Series: Materials Science and Engineering 954 (1), 012044 2020
- Synthesis and Tribological characteristics of a nano CuO particle-filled water-based lubricants T Rajmohan, DH Kumar, R Nivithetha, VVK Chakravarthy IOP Conference Series: Materials Science and Engineering 954 (1), 012045 2020
- Study of the G-ratio of aluminium silicon carbide nano particles reinforced metal matrix composites A Nandakumar, T Rajmohan, R Sundararajan, K Venkatesh, NM Deepak, ... IOP Conference Series: Materials Science and Engineering 954 (1), 012035 2020
- Analysis of Power Consumption in the drilling of Nano SiC reinforced Aluminium matrix composites VVK Chakravarthy, T Rajmohan IOP Conference Series: Materials Science and Engineering 954 (1), 012038 2020
- Tribological characteristics of natural fiber composite-Review K Mohan, T Rajmohan IOP Conference Series: Materials Science and Engineering 954 (1), 012048 2020
- Preparation and analysis of the thermal properties of non-toxic eco-friendly vegetable-based oils SD Sathishkumar, T Rajmohan IOP Conference Series: Materials Science and Engineering 954 (1), 012017 2020
- Hybrid WCMFO algorithm for the optimization of AWJ process parameters A Tamilarasan, T Rajmohan, KG Ashwinkumar, B Dinesh, ...IOP Conference Series: Materials Science and Engineering 954 (1), 012041 2020
- Application of Evolutionary Algorithms to Predict Mechanical Properties on Natural Fibers—A Review RP Kumar, T Rajmohan, D Vijayan IOP Conference Series: Materials Science and Engineering 954 (1), 012036 2020
- Synthesis and characterization of natural fiber reinforced laminated thermoplastic composite S Vijayabhaskar, T Rajmohan, EI Kennedy, TJ Krishna IOP Conference Series: Materials Science and Engineering 954 (1), 012015 2020
- Sustainable drilling performance optimization for Nano SiC reinforced Al matrix composites VV Kalyan Chakaravarthy, T Rajmohan, D Vijayan, K Palanikumar, ... Materials and Manufacturing Processes, 1-9 2020
- Multiple performance optimization in wear characteristics of Mg-SiC nanocomposites using grey-fuzzy algorithm T Rajmohan, S Vijayabhaskar, D Vijayan Silicon 12 (5), 1177-1186 2020
- Experimental Evaluation of the Lubrication Performance in MQL Grinding of Nano SiC Reinforced Al Matrix Composites A Nandakumar, T Rajmohan, S Vijayabhaskar Silicon 11 (6), 2987-2999 2019

- Modeling and evolutionary computation on drilling of carbon fiber-reinforced polymer nanocomposite: an integrated approach using RSM based PSO D Vijayan, T Rajmohan Journal of the Brazilian Society of Mechanical Sciences and Engineering 41 ... 2019
- Review on effect machining parameters on performance of natural fibre-reinforced composites (NFRCs) T Rajmohan, R Vinayagamoorthy, K Mohan Journal of Thermoplastic Composite Materials 32 (9), 1282-1302 2019
- Experimental investigation and optimization of machining parameters in WEDM of nano-SiC particles reinforced magnesium matrix composites S Vijayabhaskar, T Rajmohan Silicon 11 (4), 1701-1716 2019
- Experimental investigation of wear of multiwalled carbon nanotube particles-filled poly-ether-ether-ketone matrix composites under dry sliding D Kumar, T Rajmohan Journal of Thermoplastic Composite Materials 32 (4), 521-543 2019
- Experimental investigation and optimization of machining parameters in drilling of fly ash-filled carbon fiber reinforced composites T Rajmohan Particulate Science and Technology 37 (1), 21-30 2019
- Effect of nano SiC particles on properties and characterization of Magnesium matrix nano composites S Vijayabhaskar, T Rajmohan, TK Vignesh, H Venkatakrishnan Materials Today: Proceedings 16, 853-858 2019
- Effect of MWCNT particles on wear loss in dry sliding wear of PEEK matrix composites D Kumar, T Rajmohan Materials Today: Proceedings 16, 800-807 2019
- Machining and its challenges on bio-fibre reinforced plastics: A critical review R Vinayagamoorthy, T Rajmohan Journal of Reinforced Plastics and Composites 37 (16), 1037-1050 2018
- Grinding of MMC using MQL based vegetable oil-Review A Nandakumar, T Rajmohan IOP Conf. Ser. Mater. Sci. Eng. 390 2018
- Preparation and Analysis of the Thermal properties of Engine oil Reinforced with Multi-walled Carbon Nanotubes SD Sathishkumar, T Rajmohan International Conference on Materials and Manufacturing Engineering 390, 012068 2018
- Studies on friction stir processing parameters on microstructure and micro hardness of Silicon carbide (SiC) particulate reinforced Magnesium (Mg) surface composites IOP Conf. Ser T Rajmohan, K Gokul Prasad, S Jeyavignesh, K Kamesh, S Karthick, ... Mater. Sci. Eng 390, 012013 2018
- Multi response optimization of drilling performance of MWCNT filled banana-glass fibre reinforced composite T Rajmohan, K Yogeswar, S Gayatri, GM Dinesh, GV Raghavendra, ... IOP Conf. Ser. Mater. Sci. Eng 390 (1), 0-7 2018
- Dynamical analysis of Nano filled-Sisal fiber hybrid reinforced composites K Mohan, T Rajmohan, V Ramanujam MS&E 390 (1), 012059 2018
- Mechanical behaviour of sisal-glass fiber reinforced hybrid Nano composites K Mohan, T Rajmohan IOP Conf Ser: Mater Sci Eng 390 (1), 012090 2018
- Multi-response optimization of machining parameters in CNC turning of AISI 316L stainless steel using MQL nano fluids SD Sathishkumar, T Rajmohan IOP Conference Series: Materials Science and Engineering 390 (1), 1-9 2018
- Review of WEDM studies on metal matrix composites S Vijayabhaskar, T Rajmohan, TV Pranay Sisir, JVS Phani Abishek, ... IOP Conf Ser Mater Sci Eng 390, 287-291 2018

- Multi Response Optimization of Machining Parameters in Turning of 316L Stainless Steel Under Nano Cutting Environment T Rajmohan, RM Shastry, PVL Bharadwaj, SD Sathishkumar, U Kiran, .Advanced Science, Engineering and Medicine 10 (3-4), 440-445 2018
- Effects of MWCNT on mechanical properties of glass-flax fiber reinforced nano composites K Mohan, T Rajmohan Materials Today: Proceedings 5 (5), 11628-11635 2018
- Wear behavior of PEEK matrix composites: a review D Kumar, T Rajmohan, S Venkatachalapathi Materials Today: Proceedings 5 (6), 14583-14589 2018
- Fabrication and characterization of MWCNT filled hybrid natural fiber composites K Mohan, T Rajmohan Journal of Natural Fibers 14 (6), 864-874 2017
- Effect of a nanoparticle-filled lubricant in turning of AISI 316L stainless steel (SS) T Rajmohan, SD Sathishkumar, K Palanikumar Particulate Science and Technology 35 (2), 201-208 2017
- Optimization of Process Parameters on Surface Roughness & Metal Removal Rate on AISI 1042 with Coated Tools by using ANOVA and Grey Relational Analysis AH Kumar, GS Rao, T Rajmohan i-Manager's Journal on Mechanical Engineering 7 (1), 8 2016
- Synthesis and characterization of dual particle (MWCT+B4C) reinforced sintered hybrid aluminum matrix composites S Dhandapani, T Rajmohan, K Palanikumar, M Charan Particulate Science and Technology 34 (3), 255-262 2016
- Synthesis and characterization of multi wall carbon nanotubes (MWCNT) reinforced sintered magnesium matrix composites SV Bhaskar, T Rajmohan, K Palanikumar, BBG Kumar Journal of The Institution of Engineers (India): Series D 97 (1), 59-67 2016
- Modeling and optimization in tribological parameters of polyether ether ketone matrix composites using D-optimal design T Rajmohan, K Palanikumar, JP Davim, AA Premnath Journal of Thermoplastic Composite Materials 29 (2), 161-188 2016
- Optimization of transesterification process parameters of castor oil ethanolysis using response surface methodology-based genetic algorithm S Arumugam, G Sriram, T Rajmohan, K Sivakumar Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 38 ... 2016
- Multi-objective Optimization of Engine Parameters While Bio-lubricant–Biofuel Combination of VCR Engine Using Taguchi-Grey Approach S Arumugam, G Sriram, T Rajmohan, JP Davim Ecotribology, 105-123 2016