

## List of publications

- 2d finite element analysis of inconel 718 under turning processes  
GC Mouli, KP Marimuthu, T Jagadeesha 2020  
IOP Conference Series: Materials Science and Engineering 912 (3), 032021
- Type-specific classification of bronchogenic carcinomas using bi-layer mutated particle swarm optimisation 2020  
P Balamurugan, AMV Bharathy, K Marimuthu, R Niranchana  
International Journal of Computer Aided Engineering and Technology 13 (3 ...
- Mechanical and Metallurgical Properties of Hybrid Composite Material  
V Karthi, K Marimuthu, G Boopathy, N Ramanan 2020  
Proceedings of ICDMC 2019, 387-392
- Numerical Simulation of Back-Extrusion Process  
CB Vardhan, KP Marimuthu 2020  
Advances in Materials and Manufacturing Engineering, 29-37
- Investigation on the morphology, thermal properties, and in vitro cytotoxicity of the fish scale particulates filled high-density polyethylene composite 2019  
CBAK Marimuthu  
Polymers and Polymer Composites
- Experimental Analysis of Mechanical And Metallurgical Properties of Polymer Matrix composites material for wear reduction in Gears 2019  
DKM V.Karthi  
Caribbean Journal of Science 53 (ISSUE 2), 2265-2276
- Finite element simulation and experimental validation of the effect of tool wear on cutting forces in turning operation 2019  
SS Venkatesh, TAR Kumar, AP Blalakumhren, M Saimurugan, ...  
Mechanics and Mechanical Engineering 23 (1), 297-302
- Numerical validation of drilling of Al6061-T6 with experimental data 2019  
P Elango, KP Marimuthu  
Mechanics and Mechanical Engineering 23 (1), 287-290
- Finite Element Modelling of Temperature in Machining of Duplex Stainless Steel (DSS) 2205 2019  
N Subhash, KP Marimuthu, T Jagadeesha  
Journal of Physics: Conference Series 1240 (1), 012147
- Wear properties of natural fibre composite materials 2019  
PC Abhemanyu, E Prassanth, TN Kumar, R Vidhyasagar, KP Marimuthu  
AIP Conference Proceedings 2080 (1), 020006
- Characterization of natural fiber reinforced polymer composites 2019  
PC Abhemanyu, E Prassanth, TN Kumar, R Vidhyasagar, KP Marimuthu, ...  
AIP Conference Proceedings 2080 (1), 020005
- Experimental Investigations of Nylon 6 polymer matrix composites material (70:30) for wear reduction in Gears 2019  
DKM V.Karthi  
Indian Journal of Engineering & Materials Sciences

Graphene-based nano metal matrix composites: A review RJH Navasingh, R Kumar, K Marimuthu, S Planichamy, A Khan, AM Asiri, ... Nanocarbon and its Composites, 153-170	2019
Characterization of Mechanical Properties of Epoxy Reinforced with Glass Fiber and Coconut Fiber KP Marimuthu, SM Kumar, VR Kumar, HK Govindaraju Materials Today: Proceedings 16, 661-667	2019
Optimization of parameters effecting the heat recovery from a sand casting process VS GopalaKrishna, KP Marimuthu Periodicals of Engineering and Natural Sciences 6 (2), 100-108	2018
Mathematical modelling to predict the residual stresses induced in milling process KP Marimuthu, CSC Kumar, HPT Prasada Int. J. Mech. Prod. Eng. Res. Dev 8 (1), 423-428	2018
Drilling simulation of Fibrous Composites P Elango, Y Krishnan, A Sriraj, KP Marimuthu International Journal of Vehicle Structures & Systems 10 (5), 329-331	2018
Numerical Simulation of Sequential orthogonal cutting of Aluminium 6061 Alloy CG Sekhar, N Sarika, KP Marimuthu IOP Conf. Ser. Mater. Sci. Eng. 377, 12016	2018
2D finite element thermo-mechanical model to predict machining induced residual stresses using ALE approach KP Marimuthu, CSC Kumar, HPT Prasada Materials Today: Proceedings 5 (5), 11780-11786	2018
OPTIMIZATION OF FORMABILITY OF TAILOR-WELDED BLANKS OOP VARJENIH OPTIMIZATION 151, 155	2018
Product opinion analysis using text mining and analysis K Marimuthu, A Shankar, R Ranganathan, R Niranchana International Journal of Smart Grid and Green Communications 1 (3), 227-234	2018
Development of Low-cost plotter for educational purposes using Arduino S Karthik, PT Reddy, KP Marimuthu IOP Conference Series: Materials Science and Engineering 225 (1), 012019	2017
Coupled temperature displacement model to predict residual stresses in milling process M Pramod, NV Reddy, V Talluru, YG Reddy, KP Marimuthu IOP Conference Series: Materials Science and Engineering 225, 012026	2017
Development of low-cost plotter for educational purposes using Arduino S Karthik, P Thirumal Reddy, KP Marimuthu MS&E 225 (1), 012019	2017
Adaptive new top-hat transform and multi-scale sequential toggle operator based infrared image enhancement A Pillai, S Rajkumar, K Marimuthu, G Rajasekaran 2017 Innovations in Power and Advanced Computing Technologies (i-PACT), 1-5	2017
Patient-specific cutting guides for total knee arthroplasty	2017

S MacDessi, K Marimuthu, VS Kumar, D Chen, IA Harris The Cochrane Database of Systematic Reviews 2017 (3)	
Secure Protocol for Subscriber Identity Module A Pradhan, K Marimuthu, R Niranchana, P Vijayakumar 2017 Second International Conference on Recent Trends and Challenges in ...	2017
A Comparative Analysis and Effect of Water Depth on the Performance of Single Slope Basin Type Passive Solar Still Coupled with Flat Plate Collector and Evacuated Tube Collector	2017
S Balamurugan, NS Sundaram, KP Marimuthu, J Devaraj Applied Mechanics and Materials 867, 195-202	
Smarter Way to Access Multiple Mobile Cloud Applications without Interoperability Issues	2017
P Thanapal, K Marimuthu, S Rajkumar, R Niranchana International Journal of Wireless and Microwave Technologies (IJWMT) 7 (5 ...	
Distance based indices of Bipartite graphs associated with 3-uniform Semigraph of Cycle graph	2017
V KalaDevi, K Marimuthu Global Journal of Pure and Applied Mathematics 13 (9), 4969-4981	
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R Shingade, K Marimuthu, A Nagaraja Rao, R Niranchana Advances in Computational Sciences and Technology 10 (9), 2823-2834	
Comparative study of cloud platforms to develop a Chatbot A Patil, K Marimuthu, R Niranchana	2017
International Journal of Engineering & Technology 6 (3), 57-61	
Computational study of Coanda based Fluidic Thrust Vectoring system for optimising Coanda geometry	2016
R Bharathwaj, P Giridharan, K Karthick, CH Prasath, KP Marimuthu IOP Conference Series: Materials Science and Engineering 149, 012210	
Studies on Mechanical Properties of UHMWPE Composites filled with Al <sub>2</sub> O <sub>3</sub> /PEEK Particles	2016
KM S. Selvam Asian Journal of Research in Social Sciences and Humanities 6 (6), 173-189	
Studies on Abrasive Wear Behavior of UHMWPE Composites under Dry Sliding Condition	2016
S Selvam, K Marimuthu Asian Journal of Research in Social Sciences and Humanities 6 (8), 593-603	
Is Cloud Secure? B Balamurugan, K Marimuthu, S Rajkumar, A Mamdouh, R Niranchana	2016
IJCSE 4 (10), 126-129	
Computational intelligence-based cell nuclei segmentation from Pap smear images S Balakrishnan, S Parthasarathy, K Marimuthu	2016
Biomedical Image Analysis and Mining Techniques for Improved Health Outcomes ...	
Enhancement of An Algorithm To Extract Text-Lines From Images For Blind And	2016

Visually Impaired Persons Through Parallel Approach.

N Jivane, S Jivane, S Rajkumar, K Marimuthu

International Journal of Computer Sciences and Engineering, 25

Evaluating lean execution performance in Indian MSMEs using SEM and TOPSIS models

MM Ravikumar, K Marimuthu, P Parthiban, HA Zubar

2016

International Journal of Operational Research 26 (1), 104-125

Development and investigation of mechanical properties of PEEK fine particles reinforced UHMWPE composites

S Selvam, K Marimuthu

2016

Int. J. Appl. Eng. Res 11, 1298-1303