

List of publications

Dr. K PANNEERSELVAM

Associate Professor

Department of Production Engineering

National Institute of Technology,

Tiruchirappalli-620015

Tamilnadu, INDIA

Phone: 0431-2503515

kps@niit.edu

S.No	Title, Authors, Journal, Volume, Page nos	Year
1	“An investigation on antibacterial filler property of silver nanoparticles generated from Walnut shell powder by insitu process” S Mohan, K Panneerselvam, Materials Today: Proceedings.	2020
2	“Joining of PEEK plates by friction stir welding process” JV Jose, K Panneerselvam, Materials Today: Proceedings	2020
3	“A review paper on friction stir welding process” RP Singh, S Dubey, A Singh, S Kumar, Materials Today: Proceedings	2020
4	“Process Parameters Optimization for Friction Vibration Joining of Polypropylene/spheri Glass Composites Using Topsis” DJ Daniel, K Panneerselvam, Surface Review and Letters 27 (06), 1950167	2020
5	“Effect of particulate fillers on mechanical, metallurgical and abrasive behavior of tungsten reinforced HDPE composites: A Taguchi approach” EJ Joseph, K Panneerselvam, Materials Today: Proceedings	2020
6	“Investigation on the influence of tungsten particulate in mechanical and thermal properties of HD50MA180 high density polyethylene composites” K Panneerselvam, Materials Research Express 7 (4), 045306	2020
7	“Microstructure & mechanical properties of dissimilar material joints between T91 martensitic & S304H austenitic steels using different filler wires” SS Tigga, DK Verma, K Panneerselvam, Materials Today: Proceedings	2020
8	“Experimental investigation and multi response optimization of turning process parameters for Inconel 718 using TOPSIS approach” R Thirumalai, M Seenivasan, K Panneerselvam, Materials Today: Proceedings	2020
9	“A Novel Study On Surface Modification Of Palmyra Fibers For Enhancing Mechanical And Thermal Properties” T Raghavendra, K Panneerselvam, Surface Review and Letters 27 (02), 1950104	2020

10	“Effect of particulate fillers on abrasive behavior of tungsten reinforced HDPE composites using grey based Taguchi approach” EJ Joseph, K Panneerselvam, Materials Today: Proceedings	2020
11	“Experimental investigation and optimization of abrasive wear characteristics of polypropylene nanocomposites” K Panneerselvam, Materials Research Express 7 (1), 015339	2020
12	“PLA-Based Material Design and Investigation of Its Properties by FDM” M Ramesh, K Panneerselvam, Advances in Additive Manufacturing and Joining, 229-241	2020
13	“Investigation on Thermal and Tribological Properties of Polypropylene/Spheri Glass 3000 Composites Processed by Melt Intercalation Method” , DJ Daniel, K Panneerselvam, Silicon 11 (6), 2885-2894	2019
14	“Friction Stir Process of Magnesium Alloys” M Sivamanikandan, K Panneerselvam, R Rajeswaran, International Journal of Engineering Science 22429	2019
15	“Tribological Behaviour of Nylon 6 Composites and Optimization of Process Parameters Using Hybrid Taguchi-GRA and CSA” S Kumar, BS Roy, K Panneerselvam, Advances in Computational Methods in Manufacturing, 719-731	2019
16	“Experimental investigation of resistance welded polypropylene nanocomposite joints” DD Jafrey, K Panneerselvam, Journal of Adhesion Science and Technology 32 (21), 2350-2363	2018
17	“Investigation on the effects of Cloisite 30B and copolymer (ethylene and butyl acrylate) reinforcement with polypropylene thermoplastic by melt intercalation method” DJ Daniel, K Panneerselvam, Journal of Thermoplastic Composite Materials 31 (10), 1371-1392	2018
18	“Microstructure Evaluation on Friction Stir Welding of Cryorolled 2219 Aluminum Alloy” KK Babu, K Panneerselvam, P Sathiya, AN Haq, S Sundarrajan, P Mastanaiah, CV Srinivasa Murthy, Journal of Testing and Evaluation 47 (4), 2827-2846	2018
19	“Multi-performance optimization of drilling carbon fiber reinforced polymer using taguchi: membership function” K Shunmugesh, K Panneerselvam, Transactions of the Indian Institute of Metals 71 (7), 1615-1627	2018
20	“Abrasive wear of polypropylene/Cloisite 30B/Elvaloy AC 3427 nanocomposites” DJ Daniel, K Panneerselvam, Journal of Composite Materials 52 (13), 1833-1843	2018
21	“Corrosion properties of cryorolled AA2219 friction stir welded joints using different tool pin profiles” K Kamal Babu, K Panneerselvam, P Sathiya, A Noorul Haq, S Sundarrajan, P Mastanaiah, CV Srinivasa Murthy, Surface Review and Letters 25 (03), 1850071	2018
22	“Parameter optimization of friction stir welding of cryorolled AA2219 alloy using artificial neural network modeling with genetic algorithm” KK Babu, K Panneerselvam, P Sathiya, AN Haq, S Sundarrajan, P Mastanaiah, CV Srinivasa Murthy, The International Journal of Advanced Manufacturing Technology	2018

23	"Influences of metastable θ ", θ' and stable θ intermetallics formed during cryorolling and friction stir welding process on AA2219" KK Babu, K Panneerselvam, P Sathiya, AN Haq, S Sundarrajan, P Mastanaiah, CV Srinivasa Murthy, Journal of Alloys and Compounds 732, 624-629	2018
24	"Multi-performance optimization of micro-drilling using Taguchi technique based on membership function" K Shunmugesh, K Panneerselvam, NISCAIR-CSIR, India	2018
25	"Investigations on dry sliding wear behaviour of nylon-6 and GFR nylon-6 composites using Taguchi technique" S Kumar, K Panneerselvam, NISCAIR-CSIR, India	2018
26	"Effects of various tool pin profiles on mechanical and metallurgical properties of friction stir welded joints of cryorolled AA2219 aluminium alloy" Karupannan Kamal Babu, Kavan Panneerselvam, Paulraj Sathiya, Abdul Haq Noorul Haq, Srinivasan Sundarrajan, Potta Mastanaiah, Chunduri Venkata Srinivasa Murthy, Metallurgical Research & Technology 115 (2), 212	2018
27	"Mechanical properties of polypropylene nanocomposites: dispersion studies and modelling" DJ Daniel, K Panneerselvam, Transactions of the Indian Institute of Metals 71 (1), 225-230	2018
28	"Study on tensile strength, impact strength and analytical model for heat generation in friction vibration joining of polymeric nanocomposite joints" DD Jafrey, K Panneerselvam, Polymer Engineering & Science 57 (5), 495-504	2017
29	"Mechanical and thermal behaviour of polypropylene/Cloisite 30B/Elvaloy AC 3427 nanocomposites processed by melt intercalation method" DJ Daniel, K Panneerselvam, Transactions of the Indian Institute of Metals 70 (4), 1131-1138	2017
30	"Optimization of machining process parameters in drilling of CFRP using multi-objective taguchi technique, TOPSIS and RSA techniques" K Shunmugesh, K Panneerselvam, Polymers and Polymer Composites 25 (3), 185-192	2017
31	"Experimental investigation on friction stir welding of cryorolled Aa2219 aluminum alloy joints" KK Babu, K Panneerselvam, P Sathiya, AN Haq, S Sundarrajan, P Mastanaiah, CV Srinivasa Murthy, Surface Review and Letters 24 (01), 1750001	2017
32	"Optimization of Drilling Process Parameters Via Taguchi, TOPSIS and RSA Techniques" K Shunmugesh, K Panneerselvam, Archives of Metallurgy and Materials 62	2017
33	"Manufacturing issues of polypropylene nanocomposite by melt intercalation process" DJ Daniel, K Panneerselvam, Materials Today: Proceedings 4 (2), 4032-4041	2017
34	"Grey Relational Analysis Based Optimization Of Multiple Responses in Drilling Of Carbon Fiber-Epoxy Composites" K Shunmugesh, K Panneerselvam, Materials Today: Proceedings 4 (2), 2861-2870	2017

35	“Effects of mechanical, metallurgical and corrosion properties of cryorolled AA2219-T87 aluminium alloy” K Kamal Babu, K Panneerselvam, P Sathiya, A Noorul Haq, S Sundarrajan, P Mastanaiah, CV Srinivasa Murthy Materials Today: Proceedings 4 (2), 285-293	2017
36	“Determination of Optimum Process Parameters with Multi-performance Characteristics in Drilling by using Taguchi–membership Function” K Shunmugesh, K Panneerselvam	2016
37	“Optimization of process parameters in micro-drilling of carbon fiber reinforced polymer (CFRP) using Taguchi and grey relational analysis” K Shunmugesh, K Panneerselvam, Polymers and Polymer Composites 24 (7), 499-506	2016
38	“Machinability study of Carbon Fiber Reinforced Polymer in the longitudinal and transverse direction and optimization of process parameters using PSO–GSA” K Shunmugesh, K Panneerselvam, Engineering science and technology, an international journal 19 (3), 1552-1563	2016
39	“Modeling of tensile properties, dispersion studies, and hardness evaluation of Cloisite 30B in polypropylene with Elvaloy AC 3427 as compatibilizer” D Jafrey Daniel, K Panneerselvam, Journal of Composite Materials 50 (23), 3219-3227	2016
40	“Optimization of friction and wear of nylon 6 and glass fiber reinforced (GFR) nylon 6 composites against 30 wt.% GFR nylon 6 disc” S Kumar, K Panneerselvam, J. Adv. Res. Mat. Sci 19, 14-32	2016
41	“Multi-response optimization in drilling of Carbon Fiber Reinforced Polymer using artificial neural network correlated to meta-heuristics algorithm” K Shunmugesh, K Panneerselvam, Procedia Technology 25, 955-962	2016
42	“Processing of polypropylene/spheri glass 3000 nanocomposites by melt intercalation method” DJ Daniel, K Panneerselvam, Procedia Technology 25, 1114-1121	2016
43	“Two-body abrasive wear behavior of nylon 6 and glass fiber reinforced (GFR) nylon 6 composite” S Kumar, K Panneerselvam, Procedia technology 25, 1129-1136	2016
44	“Optimization of tribological properties of aluminium honeycomb reinforced polymeric composites using grey based fuzzy algorithm” K Panneerselvam, K Lokesh, D Chandresh, TNS Ramakrishna	2016