

Sri Krishna College of Engineering and Technology , Coimbatore

DEPARTMENT OF MECHATRONICS ENGINEERING

Faculty Publication Details for the Academic year 2020-2021

S. No	Name of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication
1	M.Bhuvanewari	Performance Analysis of Various Techniques Adopted in a 5G Communication Network with a Massive MIMO System	Proceedings of the Fifth International Conference on Inventive Computation Technologies (ICICT-2020)	Jun-20
2	P.M.Arunkumar	Design and fabrication of automatic panel surface coating machine	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	Jun-20
3	S.Madhankumar	Design and modelling of self balancing electric two wheeler using gyroscope	Journal of Critical Reviews	Jun-20
4	K.Ananthi	Design and performance of ceramic waste powder with domestic plastic waste composite grinding wheel.	Journal of Critical Reviews	Jul-20
5	M.Bhuvanewari	Remote Automation in Farming using Internet of Things	Test Engineering and Management	Jul-20
6	Dr.D.Priitma	Response analysis on synthesized aluminium-scandium metal matrix composite using unconventional machining processes	Materials Today: Proceedings	Sep-20
7	Dr.D.Priitma	Spark erosion machining behaviour of coconut shell ash reinforced silicon metal matrix	Materials Today: Proceedings	Sep-20
8	Dr.D.Priitma	Enrichment of material subtraction rate on Eglin steel using electrical discharge machining process through modification of electrical circuits	Materials Today: Proceedings	Sep-20

9	S.Madhankumar	Investigation on Design and Analysis of Passenger Car Body Crash-Worthiness in Frontal Impact Using Radioss	SAE International	Sep-20
10	S.Madhankumar	glass powder metal matrix composites in stir casting process and analysis the impact of process variables on mechanical properties	Materials Today: Proceedings	Nov-20
11	Dr.D.Priitma	Processing of MMC through conventional sintering and spark plasma sintering process: A review	IOP Conference Series: Materials Science and Engineering	Dec-20
12	Dr.D.Priitma	Investigations on Mechanical Properties of Basalt Powder filled Vinyl Ester Composites	IOP Conference Series: Materials Science and Engineering	Dec-20
13	Dr.D.Priitma	Recent developments in Polymer Matrix Composites – A Review	IOP Conference Series: Materials Science and Engineering	Dec-20
14	Dr.D.Priitma	Re-entrant Formation on Superplastic Forming Process by Mechatronics Approach in 5083 Al Alloy	IOP Conference Series: Materials Science and Engineering	Dec-20
15	Dr.D.Priitma	Surface roughness prediction and parametric optimization of shot blasting of Al7068 using RSM	IOP Conference Series: Materials Science and Engineering	Dec-20
16	Dr.M.Lydia	Machine learning applications in wind turbine generating systems	Materials Today: Proceedings	Dec-20
17	S.Madhankumar	Assessments and comparison of Inconel 625 and Inconel 718 alloys from overcut in micro ECM	Materials Today: Proceedings	Dec-20
18	S.Madhankumar	Study of the mechanical properties of Al7075 alloy, silicon carbide and fly ash composites manufactured by stir casting technique	Materials Today: Proceedings	Dec-20

19	Dr.T.A.Selvan	Design and Development of an Automatic Unmanned Railway Level Crossing Gate	IOP Conf. Series: Materials Science and Engineering	Feb 2021
20	Dr.T.A.Selvan	Multi-objective optimization on output responses for micro ECM of Al6063 alloy, silicon carbide and boron glass powder metal matrix composites	Materials Today: Proceedings	Dec-20
21	Dr.T.A.Selvan	Multi objective optimization in machining of Inconel 718 using taguchi method	Materials Today: Proceedings	2021
22	L. Feroz Ali	Unravelling the mechanical behaviour of AA7075-T6 WC Nano composites Developed through FSP Route	SAE Technical Paper	Sep-20
23	L. Feroz Ali	Metallurgical Assessment of AA7075-T6 with x wt% Tungsten Carbide Nanoparticle surface composites processed by FSP Route	Materials Today Proceedings	November 2020
24	S.Madhankumar	Study and selection of hot forging die materials and hardness	Materials Today: Proceedings	Jan-21
25	S.Madhankumar	Mechanical characterization of glass fiber resin reinforced with sugarcane	Materials Today: Proceedings	Jan-21
26	Mr.L.Feroz Ali	Microstructural evolutions and mechanical properties enhancement of AA 6063 alloy reinforced with Tungsten (W) nanoparticles processed by Friction stir processing	Materials Characterization	Jan-21
27	Dr.Natraj	An energy efficient distributed route selection approach for minimizing delay in WSNs	Solid State Technology	Jan-21
28	Dr. M. Lydia	Machine Learning Applications in Wind Turbine Generating Systems	Materials Today: Proceedings	Jan-21

29	S.Madhankumar	Development of Mobile Application Incorporating Augmented Reality for E-education and Training Systems	IOP Conference Series: Materials Science and Engineering	Feb-21
30	S.Madhankumar	Fabrication of Pineapple Peeling Machine Using Pneumatic Solenoid Valve	IOP Conference Series: Materials Science and Engineering	Feb-21
31	S.Madhankumar	Optimization of Material Removal Rate and Surface Roughness for Micro ECM of Inconel 718 alloy utilizing Grey Relational Technique	IOP Conference Series: Materials Science and Engineering	Feb-21
32	S.Madhankumar	Experimental investigation on ultimate tensile strength of laser butt welded inconel 718 alloy and 2205 duplex stainless steel	Materials Today: Proceedings	Feb-21
33	Dr.Natraj	Performance evaluation of free space optical link by incorporating the device parameters of quantum cascade laser based transmitter	Laser Physics Letter	Feb-21
34	Ms.S.Nithya Priya	Cloud based smart wireless health care monitoring system	IOP conference series material science and Engineering	Feb-21
35	Ms.K.Ananthi	Design and fabrication of Automated mechanism for chemical pre-treatment process in Powder coating	IOP Conference Proceeding	Feb-21
36	S.Kannaki	Design and implementation of carry Look ahead generator in reversible logic using nano QCA	IOP Conference Series: Materials Science and Engineering,	Feb-21
37	Dr.D.Pritima	Performance of electrical energy based unconventional machining processes – Review	Materials today	Feb-21
38	S.Madhankumar	Optimization of ultimate tensile strength of welded Inconel 625 and duplex 2205	Journal of Mechanical Engineering and Sciences	Mar-21
39	Ms.J.Indirapriyadarshini	Grey Wolf Optimization Algorithm Based Weight Selection for Tuning H-Infinity Loop Shaping Controller in Application to A Benchmark Multivariable System with Transmission Zero	journal of control engineering and applied informatics	Mar-21
40	Mr.S.Paneerselvam	Design and Fabrication of Rocker-Bogie Pesti-Bot Using Rotary Mechanism	IEEE Xplore - International Conference on Advanced Computing and Communication Systems (ICACCS)	Apr-21

41	Ms.J.Indirapriyadharshini	Design and Fabrication of Automated Oil Spraying Machine for Baking System	Materials today	Apr-21
42	Ms.J.Indirapriyadharshini	A Novel Measurement Method for Egg Quality Identification	Materials today	Apr-21
43	Ms.Nithyapriya	Design and fabrication of filament extruder with spooler	Materials today	Apr-21
44	S.Madhankumar	Development of Mobile Application Incorporating Augmented Reality for E-education and Training Systems	IOP Conference Series: Materials Science and Engineering	Feb-21
45	S.Madhankumar	Optimization of Material Removal Rate and Surface Roughness for Micro ECM of Inconel 718 alloy utilizing Grey Relational Technique	IOP Conference Series: Materials Science and Engineering	Feb-21
46	Dr.Natraj	Performance evaluation of free space optical link by incorporating the device parameters of quantum cascade laser based transmitter	Laser Physics Letter	Feb-21
47	Dr.T.A.Selvan	Design and Development of an Automatic Unmanned Railway Level Crossing Gate	IOP Conference Proceeding	Feb-21
48	Ms.K.Ananthi	Design and fabrication of Automated mechanism for chemical pre-treatment process in Powder coating	IOP Conference Proceeding	February, 2021
49	Dr.D.Pritima	Analysis of Parameters on Bend Force in Nickel-Coated Mild Steel Sheets Through Contour Plot	Advances in Industrial Automation and Smart Manufacturing	Feb-21
50	S.Madhankumar	Optimization of ultimate tensile strength of welded Inconel 625 and duplex 2205	Journal of Mechanical Engineering and Sciences	Mar-21
51	S.Kannaki	Preparation of design and development of automatic coconut processing machine	IOP Conference Series: Materials Science and Engineering	22-Apr-20
52	Dr.M.Lydia	A Review on Prediction Models for Pesticide Use, Transmission and its Impacts	Reviews of Environmental Contamination and Toxicology (Impact Factor: 7.563)	May-21