

Department of Mechatronics Engineering

List of Publications 2021 – 2022

S. No	Name of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	Indexing
1	Mr.S.Madhankumar	Energy, exergy and environmental impact analysis on the novel indirect solar dryer with fins inserted phase change material	Renewable Energy	October 2021	SCI/ESCI
2	Ms. K. Ananthi	Enhancing Power Quality Using Packed U Cell 5 Multilevel Inverter-Based Shunt Active Power Filter with Fuzzy Controller	International Journal of Fuzzy Systems	November 2021	SCI/ESCI
3	Mr L Feroz Ali	Microstructural and Wear Behaviour of Al 6063–W Nanocomposites Developed Using Friction Stir Processing	Metals & Materials International, Springer	June 2021	SCI/ESCI
4	Dr.G.Veerappan	Experimental Investigations on the Mechanical Properties, Microstructure and Corrosion Effect of Cu-20Al-4Ni/SiC Composites Synthesized Using Powder metallurgy Route	SILICON	September 2021	SCI/ESCI
5	Dr.G.Veerappan	Microstructure, mechanical and wear properties of boron carbide reinforced nickel alloy composites processed by bottom pouring type stir casting process	Surface Topography: Metrology and Properties	March 2022	SCI/ESCI
6	Dr L Feroz Ali	Notch tensile and dry sliding wear studies on Mg-Nd-Gd-Zn alloy	Surface Topography: Metrology and Properties	March 2022	SCI/ESCI

7	Dr. S. Balasubramani	Investigation of Mechanical Properties of Sansevieria Cylindrica Fiber/Polyester Composites	Advances in Materials Science and Engineering	February 2022	SCI/ESCI
8	Dr.G.Veerappan	Surface Modification of Strenx 900 Steel Using Electrical Discharge Alloying Process with Cu-10Ni-CrxPowder Metallurgy Sintered Electrode	Materials Research	February 2022	SCI/ESCI
9	Dr. V. narasimharaj	Experimental study of mechanical properties of AA6061 and AA7075 alloy joints using friction stir welding	Materials Today: Proceedings	October 2021	Scopus Conference
10	Dr. D. Pritima	Performance of electrical energy based unconventional machining processes – Review	Materials Today: Proceedings	April 2021	Scopus Conference
11	Ms. J. Indirapriyadharshini	A novel measurement method for egg quality identification	Materials Today: Proceedings	April 2021	Scopus Conference
12	Ms. S. Nithya Priya	Design and fabrication of filament extruder with spooler	Materials Today: Proceedings	April 2021	Scopus Conference
13	Dr. M. Lydia	Soft computing models for forecasting day-ahead energy consumption	Materials Today: Proceedings	March 2022	Scopus Conference
14	Dr. T. A. Selvan and Mr. S. Madhankumar	Taguchi-based Grey Relational Study for Multiple Criterion Optimization on Process Variables for Micro Electrochemical Machining of Inconel Super-alloy	Materials today: Proceeding	April 2022	Scopus Conference
15	Dr. T. A. Selvan and Mr. S. Madhankumar	Surface Roughness Assessments and Comparative Study of Inconel 625 and Inconel 718 Alloys after Micro Electrochemical Machining	Materials today: Proceeding	April 2022	Scopus Conference
16	Dr. T. A. Selvan and Mr. S. Madhankumar	Electrochemical machining of aluminium 7075 alloy, silicon carbide, and fly ash composites: An experimental investigation of the effects of variables on material	Materials today: Proceeding	April 2022	Scopus Conference

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17	Dr. M. Lydia	Machine Learning Algorithms for Modelling Agro-climatic Indices: A Review	Smart Innovation, Systems and Technologies, volume 224	July 2021	Book Chapter
18	Dr. M. Lydia	Impact of Internet of Things in Agriculture	Springer - Lecture Notes in Networks and Systems	November 2021	Book Chapter
19	S.Madhankumar	Design and Modelling of Automated Hot Oven Food Dehydrator	IEEE Xplore - International Conference on Advanced Computing and Communication Systems (ICACCS)	June 2021	IEEE Conference
20	S.Madhankumar	Automated Moisture Remover for Drying Agricultural Products	IEEE Xplore - International Conference on Advanced Computing and Communication Systems (ICACCS)	June 2021	IEEE Conference
21	S.Madhankumar	Design and Modelling of Autonomous Mobile Robot for Material Handling	IEEE Xplore - International Conference on Advanced Computing and Communication Systems (ICACCS)	June 2021	IEEE Conference
22	Mr.T.Vignesh	Pipeline for Development of 3 Dimensional motion animation using the 2 Dimensional video	2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021,	June 2021	IEEE Conference
23	Ms.S.Nithya Priya	Autonomous Supermarket Robot Assistance Using Machine Learning	2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021,	June 2021	IEEE Conference
24	Ms. K. Ananthi	Design and Fabrication of Color based Automatic Yarn Carrier Sorting Machine	IEEE Xplore - 7th International Conference on Advanced Computing and Communication Systems (ICACCS) 2021	June 2021	IEEE Conference

25	Ms. K. Ananthi	Design and Fabrication of IoT based inventory control system	IEEE Xplore - 7th International Conference on Advanced Computing and Communication Systems (ICACCS) 2021	June 2021	IEEE Conference
26	Ms. M. Bhuvaneshwari	Fuzzy based clustering in CWPSN using machine learning model	Indian Journal of Radio & Space Physics Vol.50, June 2021, pp. 90-94	June 2021	Scopus
27	Mr. S. Panneerselvam	Design and Fabrication of Rocker-Bogie Pesti-Bot Using Rotary Mechanism	2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS, 2021, pp. 683–688, 9441751	June 2021	IEEE Conference
28	Mr. T. Vignesh	Smart equipment to protect patients and people from COVID disease	Biomedical Engineering Tools for Management for Patients with COVID-19 2021, Pages 121-133	June 2021	Book Chapter
29	Mr.P.M.Arunkumar	Simultaneous Localization and Mapping based Autonomous Lawn Mower	IEEE Xplore - International Conference on Advanced Computing and Communication Systems (ICACCS)	June 2021	IEEE Conference
30	M.Bhuvaneshwari	Design of Solar Powered Air Purifier with Air Quality Monitoring	Turkish Online Journal of Qualitative Inquiry	July 2021	-
31	Mr. T. Vignesh	Decision Support Mechanism to Improve a Secured System for Clinical Process Using Blockchain Technique	Internet of Things, Artificial Intelligence and Blockchain Technology Print ISBN 978-3-030-74149-5, Springer, Cham	July 2021	Book Chapter
32	Dr. M. Lydia	Security Challenges in 5G and IoT Networks: A Review	EAI/Springer Innovations in Communication and Computing	October 2021	Book Chapter
33	Dr. M. Lydia	A Comprehensive Overview on	2021 2nd International	November 2021	IEEE

		Impact of Trust Models in Internet of Things	Conference on Smart Electronics and Communication (ICOSEC)		Conference
34	Ms. S. Kannaki	Design and Fabrication of Automated Cloth Pulling Machine for Shed Work	2021 Smart Technologies, Communication and Robotics (STCR)	November 2021	IEEE Conference
35	Mr. T. Vignesh	Technology in Design Aspect of BIN Bot Robot	2021 Smart Technologies, Communication and Robotics (STCR)	November 2021	IEEE Conference
36	Dr. D. Pritima	IoT Secure Framework for Wearable Sensor Data for E-health System	IEEE Xplore - 2021 Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	December 2021	IEEE Conference
37	Dr. D. Pritima	IoT Based Industry Automated Sheet Metal Feeder	IEEE Xplore - 2021 Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	December 2021	IEEE Conference
38	Dr. D. Pritima	Artificial Intelligence based Energy Management and Real time optimization in Electric and Hybrid electric vehicles.	EAI/Springer Innovations in Communication and Computing	December 2021	Book Chapter
39	Ms. M. Bhuvaneshwari	Efficient Resource Distribution in Cognitive Radio Network by Fuzzy-Based Cluster Against Attacks	Smart Innovation, Systems and Technologies book series (SIST, volume 251)	January 2022	Book Chapter
40	Ms. M. Bhuvaneshwari	Resource Allocation by Fuzzy Based Cluster Using Greedy Algorithm for Secure Communication	2021 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA)	January 2022	IEEE Conference
41	Mr. P. M. Arunkumar	Design and Implementation of Secondary Positioner for Improving the OEE of Robotic Welding System	Indian Conference on Antennas and Propagation / IEEE Xplore	09 March 2022	IEEE Conference
42	Dr. V. Narasimharaj	A Novel Approach to determine the natural resting orientation of brake lever	Lambert Academic Publishing	October 2021	Book Chapter

43	Dr. V. Narasimharaj	Theoretical Analysis And Optimization Of Process Parameters For Part Motion Time In Vibratory Part Feeders For Mass Production Assembly Lines	International Journal of Aquatic Science, Vol 12, Issue 02	August 2021	Non SCI
44	Dr. M. Lydia	Deep learning algorithms for wind forecasting: An overview	Wiley Book Chapter	March 2022	Book Chapter

List of Publications 2020 - 2021

S.No.	Name of the Author	Name of the Research Paper	Name of the Journal	Month and Year of Publication	Indexing
1	Dr. L. Feroz Ali	Unravelling the mechanical behaviour of AA7075-T6 WC Nano composites Developed through FSP Route	SAE Technical Paper	September 2020	SCOPUS
2	Dr. M. Lydia	Machine learning applications in wind turbine generating systems	Materials Today: Proceedings, Volume 45, Part 7, 2021, Pages 6411-6414	December 2020	SCOPUS/WOS
3	Dr. T. A. Selvan	Design and Development of an Automatic Unmanned Railway Level Crossing Gate	IOP Conference Series: Materials Science and Engineering this link is disabled, 2021, 1059(1), 012005	February 2021	SCOPUS
4	Dr. T. A. Selvan	Multi objective optimization in machining of Inconel 718 using taguchi method	Materials Today: Proceedings, Volume 37, Part 2, 2021, Pages 3466-3470	October 2020	SCOPUS/WOS
5	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, Volume 45, Part 7, 2021, Pages 6406-6410	December 2020	SCOPUS/WOS
6	Dr. D. Pritima	Performance of electrical energy based unconventional machining processes – Review	Materials Today: Proceedings	February 2021	SCOPUS/WOS
7	Dr. D. Pritima	Response analysis on synthesized aluminium-scandium metal matrix composite using unconventional machining processes	Materials Today: Proceedings, Volume 33, Part 7, 2020, Pages 4431-4435	September 2020	SCOPUS/WOS
8	Dr. D. Pritima	Surface roughness prediction and parametric optimization of shot blasting of Al7068 using RSM	IOP Conf. Ser.: Mater. Sci. Eng. 988 012100	December 2020	SCOPUS

9	Dr. D. Pritima	Wire Arc Additive Manufacturing Perspectives and Recent Developments	IOP Conf. Series: Materials Science and Engineering 988 (2020) 012102	December 2020	SCOPUS
10	Dr. D. Pritima	Re-entrant Formation on Superplastic Forming Process by Mechatronics Approach in 5083 Al Alloy	IOP Conf. Ser.: Mater. Sci. Eng. 988 012098	December 2020	SCOPUS
11	Dr. D. Pritima	Processing of MMC through conventional sintering and spark plasma sintering process: A review	IOP Conf. Ser.: Mater. Sci. Eng. 988 012092	December 2020	SCOPUS
12	Dr. D. Pritima	Recent developments in Polymer Matrix Composites – A review	IOP Conf. Ser.: Mater. Sci. Eng. 988 012096	December 2020	SCOPUS
13	Dr. D. Pritima	Investigations on Mechanical Properties of Basalt Powder filled Vinyl Ester Composites	IOP Conf. Ser.: Mater. Sci. Eng. 988 012094 DownloadArticle PDF	December 2020	SCOPUS
15	Dr. N. A. Natraj	Optimal Mobility based Data Gathering Scheme for Life Time Enhancement in Wireless Sensor Networks	2020 4th International Conference on Computer, Communication and Signal Processing (ICCCSP)	January 2021	SCOPUS
16	Ms. S. Kannaki	Design and implementation of carry Look ahead generator in reversible logic using nano QCA	IOP Conf. Ser.: Mater. Sci. Eng. 1059 012013	February 2021	SCOPUS
17	Ms. S. Kannaki	Preparation of Design and Development of Automatic Coconut Processing Machine	IOP Conf. Series: Materials Science and Engineering 993 (2020) 012117	June 2020	SCOPUS
18	Ms. K. Ananthi	Design and fabrication of Automated mechanism for chemical pre-treatment process in Powder coating	IOP Conf. Ser.: Mater. Sci. Eng. 1059 012009	February 2021	SCOPUS
19	Ms. J. Indirapriyadharshini	A novel measurement method for egg quality identification	Materials Today: Proceedings	April 2021	SCOPUS/WOS

20	Ms. J. Indirapriyadharshini	Design and Fabrication of Automated Oil Spraying Machine for Baking System	Materials Today: Proceedings	April 2021	SCOPUS/WOS
21	Ms. M. Bhuvaneshwari	Performance Analysis of Various Techniques Adopted in a 5G Communication Network with a Massive MIMO System	Proceedings of the 5th International Conference on Inventive Computation Technologies, ICICT 2020, 2020, pp. 283–286, 9112446	June 2020	SCOPUS
22	Ms. S. Nithya Priya	Design and fabrication of filament extruder with spooler	Materials Today: Proceedings	April 2021	SCOPUS/WOS
23	Ms. S. Nithya Priya	Cloud based smart wireless and health care monitoring system	IOP Conference Series: Materials Science and Engineering, 2021, 1059(1), 012035	February 2021	SCOPUS
24	Ms. S. Nithya Priya	Automatic gas fired furnace	IOP Conference Series: Materials Science and Engineering, 2020, 993(1), 012141	December 2020	SCOPUS
25	Dr. L. Feroz Ali	Metallurgical assessment of AA7075 – T6 with x wt% tungsten carbide nanoparticle surface composites processed by FSP route	Materials Today: Proceedings, 2021, 45, pp. 2152–2158	November 2020	SCOPUS/WOS
26	Dr. L. Feroz Ali	Wear and friction properties of AA 7075-T6 with x wt% of WC surface composite fabricated by FSP technique	Materials Today: Proceedings, 2020, 45, pp. 6482–6487	February 2021	SCOPUS/WOS
27	Mr. P. M. Arunkumar	Fabrication of paper cutting machine using eye mark sensor	IOP Conf. Ser.: Mater. Sci. Eng. 993 012142	December 2020	SCOPUS
28	Mr. T. Vignesh	Development of Low Cost Pellet Loading and Unloading AGV	IOP Conf. Ser.: Mater. Sci. Eng. 995 012009	December 2020	SCOPUS
29	Mr. T. Vignesh	Development of Automatic Tube Oil Skimmer	IOP Conf. Ser.: Mater. Sci. Eng. 906 012028	August 2020	SCOPUS

30	Mr. S. Madhankumar	Development of Mobile Application Incorporating Augmented Reality for E-education and Training Systems	IOP Conference Series: Materials Science and Engineering, 2021, 1059(1), 012016	February 2021	SCOPUS
31	Mr. S. Madhankumar	Fabrication of Pineapple Peeling Machine Using Pneumatic Solenoid Valve	IOP Conference Series: Materials Science and Engineering, 2021, 1059(1), 012038	February 2021	SCOPUS
32	Mr. 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, 2021, 1059(1), 012008	February 2021	SCOPUS
33	Mr. S. Madhankumar	Investigation on design and analysis of passenger car body crash-worthiness in frontal impact using radioss	SAE Technical Papers, 2020, (2020), 280498	September 2020	SCOPUS
34	Mr. S. Madhankumar	Fabrication of Al6063 alloy , silicon carbide and boron glass powder metal matrix composites in stir casting process and analysis the impact of process variables on mechanical properties,	Materials Today: Proceedings, Volume 42, Part 2, 2021, Pages 529-535	November 2020	SCOPUS/WOS
35	Mr. S. Madhankumar	Study of the mechanical properties of Al7075 alloy, silicon carbide and fly ash composites manufactured by stir casting technique,	Materials Today: Proceedings, Volume 45, Part 7, 2021, Pages 6438-6443	December 2020	SCOPUS/WOS
36	Mr. S. Madhankumar	Assessments and comparison of Inconel 625 and Inconel 718 alloys from overcut in micro ECM	Materials Today: Proceedings, Volume 45, Part 7, 2021, Pages 6459-6464	December 2020	SCOPUS/WOS
37	Mr. S. Madhankumar	Study and selection of hot forging die materials and hardness	Materials Today: Proceedings, Volume 45, Part 7, 2021, Pages 6563-6566	January 2021	SCOPUS/WOS

38	Mr. S. Madhankumar	Mechanical characterization of glass fiber resin reinforced with sugarcane	Materials Today: Proceedings, Volume 45, Part 7, 2021, Pages 6628-6632	January 2021	SCOPUS/WOS
39	Mr. S. Madhankumar	Experimental investigation on ultimate tensile strength of laser butt welded inconel 718 alloy and 2205 duplex stainless steel	Materials Today: Proceedings, Volume 45, Part 7, 2021, Pages 6783-6787	February 2021	SCOPUS/WOS
40	Mr. S. Panneerselvam	Design and Fabrication of Semi - Automated Thrust Bearing Assembling Equipment	International Journal of Advanced Science and Technology	June 2020	SCOPUS
41	Mr. P. M. Arunkumar	DESIGN AND FABRICATION OF AUTOMATIC PANEL SURFACE COATING MACHINE	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	September 2020	SCOPUS
42	Dr. N. A. Natraj	Performance evaluation of free space optical link by incorporating the device parameters of quantum cascade laser based transmitter	Laser Phys. Lett. 18 035301	February 2021	SCOPUS/WOS
43	Dr. N. A. Natraj	An energy efficient distributed route selection approach for minimizing delay in WSNs	Solid State Technology, Vol. 63 No. 6	June 2020	-
44	Ms. S. Kannaki	Development of smart air quality monitoring & Filtering system	Journal of Critical Reviews, 2020; 7(9): 367-370	June 2020	SCOPUS
45	Ms. K. Ananthi	Preparation and performance of ceramic waste powder with domestic plastic waste composite grinding wheel	Journal of Critical Reviews, 2020, 7(13), pp. 132–138	July 2020	SCOPUS

46	Ms. J. Indirapriyadharshini	Grey Wolf Optimization Algorithm Based Weight Selection for Tuning H-Infinity Loop Shaping Controller in Application to A Benchmark Multivariable System with Transmission Zero	Control Engineering and Applied Informatics, 2021, 23(1), pp. 103–114	March 2021	SCOPUS/WOS
47	Ms. M. Bhuvaneswari	IoT based environmental weather monitoring and farm information tracking system	Journal of Critical Reviews, 2020, 7(7), pp. 307–310	June 2020	SCOPUS
48	Ms. M. Bhuvaneswari	Low cost design automated adhesive dispenser for industry	Journal of Critical Reviews, 2020, 7(12), pp. 248–251	June 2020	SCOPUS
49	Ms. S. Nithya Priya	Automated plough assistance in tractor	International Journal of Advanced Science and Technology, 2020, 29(7), pp. 131–140	July 2020	SCOPUS
50	Dr. 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, 2021, 172, 110903	February 2021	SCOPUS/WOS
51	Mr. S. Madhankumar	Design and Modelling of Self Balancing Electric Two-Wheeler Using Gyroscope	Journal of Critical Reviews, pp. 953-957, Volume 7, Issue 9	June 2020	SCOPUS
52	Mr. S. Madhankumar	Optimization of ultimate tensile strength of welded Inconel 625 and duplex 2205	Journal of Mechanical Engineering and Sciences, pp. 7715-7728, Volume 15, Issue 1	March 2021	WOS
53	Dr. M. Lydia	A Review on Prediction Models for Pesticide Use, Transmission, and Its Impacts	Reviews of Environmental Contamination and Toxicology	May 2021	SCOPUS/WOS

54	Dr. D. Pritima	Material Characterization and Parametric Effect on Nickel-Coated Mild Steel Sheets by Electroplating Process	Advances in Industrial Automation and Smart Manufacturing	April 2021	SCOPUS
55	Dr. N. A. Natraj	Recent Challenges in Science, Engineering and Technology, "TDMA based Energy Efficient Cluster Routing Approach for Sensor Networks"	162 - 168, Chapter No: 16, ISBN No: 978-81-947388-5-5.	April 2021	-
56	Ms. M. Bhuvaneshwari	Chapter 7: Data science :Best practice in digital transformation	Tech trends 2021: Issues and Emerging Challenges and Changes in the Student - Centric Learning and Best Innovative Practices for Quality Enhancement in Education; ISBN 9387865770	March 2021	-

List of Publications 2019 – 2020

S. No	Name of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	Impact Factor	Indexing
1	Dr.T.A.Selvan	Design and fabrication of Automatic Powder coating system	International Journal of Engineering and Advanced Technology (IJEAT)	June 2019	5.97	SCOPUS
2	T.Vignesh	Design and Fabrication of 6-axis Gesture Controlled Robot	5th International Conference on Advanced Computing & Communication Systems (ICACCS)	June 2019	-	IEEE Conference
3	R.Vishnuvardhan	Experimental Investigation on Mechanical Properties and Vibration Damping Frequency Factor of Kenaf Fiber Reinforced Epoxy Composite	SAE Technical paper	October 2019	1.867	SCOPUS Conference
4	R.Vishnuvardhan	Data set on optimization of ethyl ester production from sapota seed oil	Data in brief	August 2019	1.133	SCOPUS
5	R.Vishnuvardhan	Automatic detection of flying bird species using computer vision techniques	Journal of Physics: Conference Series	November 2019	0.55	SCOPUS Conference
6	Panneerselvam S	Performance Analysis of Vapour Compression Refrigeration System with Mechanical Subcooling	International Journal of Innovative Technology and Exploring Engineering	June 2019	0.546	SCOPUS
7	T.Vignesh	Development of Low-Cost Robotic Arm for Welding	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	June 2019	0.546	SCOPUS

8	S.Nithyapriya	Automated Pneumatic Bearing press	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	July 2019	0.546	SCOPUS
9	R.Emmanuel Gospel Raj	Design And Fabrication Of Copra Sweeping robot	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	August 2019	0.546	SCOPUS
10	S.Madhankumar	Mathematical Analysis and Mechanical Modeling of an Inoculation System on Feeder Control for Pouring Unit in a Foundry Station	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	August 2019	0.546	SCOPUS
11	S.Panneerselvam	Design and Fabrication of Automatic Onion Planting Machine	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	August 2019	0.546	SCOPUS
12	Deepak N V	Mathematical Modelling and Simulation of Six Axis Robot for Industrial Application	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	February 2020	0.546	SCOPUS
13	T.Manikandan	A Singular Value Decomposition based Low-Computational Zero-Watermark Algorithm for Digital Right Management	International Journal of Engineering and Advanced Technology	August 2019	5.97	SCOPUS
14	M.Bhuvaneshwari	IOT based environmental weather monitoring and farm information tracking system.	Journal of Critical Reviews	March 2020	1.091	SCOPUS
15	S.Kannaki	Development of smart air quality monitoring and filtering system.	Journal of Critical Reviews	May 2020	1.091	SCOPUS
16	M.Bhuvaneshwari	Low cost design automated adhesive dispenser for industry.	Journal of Critical Reviews	May 2020	1.091	SCOPUS

17	J.Indirapriyadharshini	A Novel and Effective Method for Automatic Paper Trimming and Cutting process in Paper Industries	International Journal of Advanced Science and technology	May 2020	0.475	SCOPUS
18	T.Vignesh	Design and fabrication of home automation	IOP Conference Series: Materials Science and Engineering	June 2019	0.51	SCOPUS Conference
19	J.Indirapriyadharshini	Design and Fabrication of Automated Inspection System for Bearing Cap	International Journal of Advanced Science and Technology	February 2020	0.475	SCOPUS
20	J.Indirapriyadharshini	Computerized Control of Cement Roof Manufacturing Process Using PLC and SCADA	International Journal of Advanced Science and Technology	February 2020	0.475	SCOPUS
21	S.Panneerselvam	Design and Fabrication of Semi - Automated Thrust Bearing Assembling Equipment	International Journal of Advanced Science and Technology	February 2020	0.475	SCOPUS
22	S.Nithya Priya	Automated Plough Assistance in Tractor	International Journal of Advanced Science and Technology	May 2020	0.475	SCOPUS
23	K.Ananthi	Automatic Grass Profile Cutter	Test Engineering and Management	January 2020	0.427	SCOPUS
24	P.M.Arunkumar	Modelling of Pneumatic Exoskeleton Arm for Heavy Load Lifting	Test Engineering and Management	January 2020	0.427	SCOPUS
25	S.Nithyapriya	Smart Trash Bin	Test Engineering and Management	January 2020	0.427	SCOPUS
26	S.Madhankumar	Investigations on austenitic nickel-chromium based super alloys - Inconel 625 and Inconel 718 from material removal rate in micro electrochemical machining	AIP Conference Proceedings	July 2019	0.4	SCOPUS Conference

27	S.Madhankumar	Design and Modelling of L-type Bi-directional Roller Conveyers for Glass Hauling	Lecture Notes in Electrical Engineering	March 2020	0.32	Book chapter
28	K.Ananthi	Semiautomatic Hosiery Printing Machine	International Journal of Recent Technology and Engineering	July 2019	0.107	SCOPUS
29	M.Bhuvanewari	Automatic Fish Cutting and Cleaning Machine using Digital Image Processing	International Journal of Recent Technology and Engineering	July 2019	0.107	SCOPUS
30	Priyadharshini R., Ananthi K., Sivashankaran	Hover Surf Drone	International Journal of Recent Technology and Engineering	July 2019	0.107	SCOPUS
31	Dr.T.A.Selvan	Design and Fabrication of Automatic Spring Type Chip Conveyor	International Journal of Recent Technology and Engineering	July 2019	0.107	SCOPUS
32	R.Vishnuvardhan	Fault Diagnosis of Wind Turbine Blades Using Histogram Features through Nested Dichotomy Classifiers	International Journal of Recent Technology and Engineering	September 2019	0.107	SCOPUS
33	R.Vishnuvardhan	Logistic Model Tree Classifier for Condition Monitoring of Wind Turbine Blades	International Journal of Recent Technology and Engineering	September 2019	0.107	SCOPUS
34	R.Vishnuvardhan	Implementation of Rule based Classifiers for Wind Turbine Blade Fault Diagnosis using Vibration Signals	International Journal of Recent Technology and Engineering	September 2019	0.107	SCOPUS
35	R.Vishnuvardhan	Research on Hyper pipes and Voting Feature Intervals Classifier for Condition Monitoring of Wind Turbine Blades Using Vibration Signals	International Journal of Recent Technology and Engineering	September 2019	0.107	SCOPUS
36	S.Kannaki	Development of Advanced Automatic Sorting Machine using Weighing Mechanism	International Journal of Recent Technology and Engineering	September 2019	0.107	SCOPUS

37	S.Kannaki	Design and Modeling of Automatic Cow Dung Log making Machine	International Journal of Recent Technology and Engineering	March 2020	0.107	SCOPUS
38	R.Vishnuvardhan	Implementing Rotation Forest for Wind Turbine Blade Fault Diagnosis	International Journal of Recent Technology and Engineering	September 2019	0.107	SCOPUS
39	Mr. T. Vignesh	A Study of Hand Gesture Segmentation Techniques for Sign Languages	Journal of Computational and Theoretical Nanoscience	April 2020	0.9	SCOPUS
40	Ms. M. Bhuvaneshwari	Automatic Yarn Handling Robot using wireless communication Module for Industrial Application	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	June 2019	0.546	SCOPUS
41	R.Emmanuel Gospel Raj	Cost Effective Speed Measurement Using Optical Method for Belt Conveyors	Indian Journal of Science and Technology	June 2019	-	Non SCI
42	Mr. C. Prasath	Design and Fabrication of Hexapod Robot	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	July 2019	0.546	SCOPUS
43	Mr. N. Manikandan	Low Cost Automation of FFS Powder Filling Machine with Dual Core Controller	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	July 2019	0.546	SCOPUS
44	Mr. N. Manikandan	Virtual Optimization of Sitting Posture Analysis on Using Low-Cost Loadcell Based on Various Sitting Position in Automobile Seating for Comfort and Safety	International Journal of Mechanical Engineering and Technology	June 2019	-	SCOPUS

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S. No	Name of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	Impact factor	Indexing
1	Dr. Balamurugan P	Environmental Effects of Thermal Barrier Coating with Waste Cooking Palm Oil Methyl Ester Blends in A Diesel Engine	Biofuels	April 2019	2.956	SCI

2	Mr. Madhankumar S	Design and Modelling of Disaster Relief Vehicle using Rocker Bogie Mechanism	International Journal of Innovative Technology and Exploring Engineering	April 2019	0.546	SCOPUS
3	Mr. Vignesh T.	Producing Electrical Energy From Light Intensity and Design Tracking System by Dual Axis Method	International Journal of Mechanical and Production Engineering Research and Development	January 2019	0.88	SCOPUS
4	Mr. Arunkumar P.M	Optimization of Milling Parameters using Vegetable Oil by Measuring Vibration Signal	International Journal of Innovative Technology and Exploring Engineering	May 2019	0.546	SCOPUS
5	Ms. Kannaki S	Design and Modeling of Automatic Packing System for Atta Kneader	International Journal of Innovative Technology and Exploring Engineering	May 2019	0.546	SCOPUS
6	Ms. Indirapriyadharshini J	Performance Analysis of Internal Model Control and Modified Internal Model Control for Two Tank Interacting and Non-Interacting Liquid System	International Journal of Innovative Technology and Exploring Engineering	May 2019	0.546	SCOPUS
7	Mr. Feroz Ali L	Optimization of Process Parameters in Electrical Discharge Machining of EN 8 Steel by using Taguchi Technique	International Journal of Innovative Technology and Exploring Engineering	May 2019	0.546	SCOPUS
8	Ms. Sneha S	Automatic Spray Painting Machine	International Journal of Innovative Technology and Exploring Engineering	April 2019	0.546	SCOPUS
9	Mr. Vishnuvardhan R.	An Effective Load Balancing Mechanism in Cloud Computing Environment	International Journal of Engineering and Advanced Technology	February 2019	0.546	SCOPUS
10	Dr. T. A. Selvan	Automatic Flux Coating System	Indian Journal of Science and Technology	May 2019	-	Non SCI

11	Mr. P. M. Arunkumar	Tools condition monitoring in the milling process with vegetable based cutting fluids using vibration signatures	Materials Testing	March 2019	1.589	SCI
12	Mr. K. Ananthi	Power Quality Improvement using Fuzzy Logic Controller based Hybrid Active Power Filter	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	April 2019	0.546	SCOPUS
13	Mr. L. Feroz Ali	Optimization of process parameters in Electrical Discharge Machining of EN8 steel by using Taguchi Technique	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	May 2019	0.546	SCOPUS
14	Mr. S. Madhankumar	Experimental Study of Effect of Parameters on Material Removal Rate for Electrochemical Machining of Aluminium Matrix Composite	International Journal of Creative Research Thoughts	November 2018	-	UGC
15	Mr. S. Madhankumar	Optimization of Micro Electrochemical Machining of Inconel 625 using Taguchi based Grey Relational Analysis	International Journal of Applied Engineering Research	November 2018	-	UGC
16	Mr. S. Rajesh	Experimental Determination and Optimization of Hard Turned Austempered Ductile Iron (ADI) With AL-TI-N Coated Carbide Insert	International Journal of Applied Engineering Research	November 2018	-	UGC
17	Sundara Mahalingam.V	A GUI Based Kinematic Model Development of 6 DOF Manipulator using MATLAB	International Journal of Engineering Development & Research	June 2018	-	UGC
18	Sundara Mahalingam.V	Study of Hydraulic Power 3DOF Robotic Arm Control	International Journal of Engineering Development & Research	February 2019	-	UGC
19	Sundara Mahalingam.V	Study of EMG sensor Based Servo Motor	International Journal of Engineering & Technology	April 2019	-	UGC

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20	Sundara Mahalingam.V	Dynamic Smart Cooling system for HOTSPOT Remediation using thermo electric coolers: (An Experimental Study)	Journal of Emerging Technologies & Innovative Research	June 2018	-	UGC
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22	S. Kannaki	Design and Performance Analysis of Serial Communication in QCA	International Journal of Pure and Applied Mathematics	July 2018	-	UGC
23	Vignesh.T	Development of Human Assisting Robot	International Journal of Pure and Applied Mathematics	July 2018	-	UGC
24	Dr. P. Balamurugan	Development of Automatic Inoculation Machine for a Foundry Industry using Programmable Logic Controller	International Journal of Pure and Applied Mathematics	July 2018	-	UGC
25	Ananthi. K	Increasing the efficiency of Solar Panels using Autonomous Cleaning Robot	International Journal of Pure and Applied Mathematics	July 2018	-	UGC
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27	Dr.T. A. Selvan	Optimization of Material Removal Rate and overcut in Micro Electrochemical Machining of Inconel 718 using Taguchi Analysis	International Journal of Pure and Applied Mathematics	July 2018	-	UGC
28	N. Manikandan	Characterization and Development of Shape Memory Alloy Actuator for Pinch Valve Actuation	International Journal of Pure and Applied Mathematics	July 2018	-	UGC

