

**SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE**

**DEPARTMENT OF MECHATRONICS ENGINEERING**

**Faculty Publication Details for the Academic year 2021-2022**

S.No	Name of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	Indexing (Scopus/ WoS)
1	Mr.S.Madhankumar	Energy, exergy and environmental impact analysis on the novel indirect solar dryer with fins inserted phase change material	Renewable Energy	Oct-21	Scopus/WoS
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	21 November 2021	Scopus/WoS
3	Mr L Feroz Ali	Microstructural and Wear Behaviour of Al 6063–W Nanocomposites Developed Using Friction Stir Processing	Metals & Materials International, Springer	Jun-21	Scopus/WoS
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	Sep-21	Scopus/WoS
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	15 Mar 2022	Scopus/WoS
6	Dr L Feroz Ali	Notch tensile and dry sliding wear studies on Mg-Nd-Gd-Zn alloy	Surface Topography: Metrology and Properties	31 March 2022	Scopus/WoS
7	Dr. S. Balasubramani	Investigation of Mechanical Properties of Sansevieria Cylindrica Fiber/Polyester Composites	Advances in Materials Science and Engineering	Feb 2022	Scopus/WoS
8	Dr.G.Veerappan	Surface Modification of Strenx 900 Steel Using Electrical Discharge Alloying Process with Cu-10Ni-Crx Powder Metallurgy Sintered Electrode	Materials Research	04 Feb 2022	Scopus/WoS
9	Dr. V. narasimharaj	Experimental study of mechanical properties of AA6061 and AA7075 alloy joints using friction stir welding	Materials Today: Proceedings	8 October 2021	Scopus
10	Dr. D. Pritima	Performance of electrical energy based unconventional machining processes – Review	Materials Today: Proceedings	2021	Scopus
11	Ms. J. Indirapriyadarshini	A novel measurement method for egg quality identification	Materials Today: Proceedings	2021	Scopus
12	Ms. S. Nithya Priya	Design and fabrication of filament extruder with spooler	Materials Today: Proceedings	2021	Scopus
13	Dr. M. Lydia	Soft computing models for forecasting day-ahead energy consumption	Materials Today: Proceedings	Mar-22	Scopus/WoS

14	Dr. T. A. Selvan and Mr. S. Madhankumar	Taguchi-based Grey Relational Study for Multiple Criterion Optimization on Process Variables for Micro	Materials today: Proceeding	April 2022	Scopus
15	Dr. T. A. Selvan and Mr. S. Madhankumar	Surface Roughness Assessments and Comparative Study of Inconel 625 and Inconel 718 Alloys after	Materials today: Proceeding	April 2022	Scopus
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	Materials today: Proceeding	April 2022	Scopus
17	Dr. M. Lydia	Machine Learning Algorithms for Modelling Agro-climatic Indices: A Review	Smart Innovation, Systems and Technologies, volume 224	14 July 2021	Scopus
18	Dr. M. Lydia	Impact of Internet of Things in Agriculture	Springer - Lecture Notes in Networks and Systems	23 November 2021	Scopus
19	S.Madhankumar	Design and Modelling of Automated Hot Oven Food Dehydrator	IEEE Xplore - International Conference on Advanced Computing and Communication Systems (ICACCS)	Jun-21	Scopus
20	S.Madhankumar	Automated Moisture Remover for Drying Agricultural Products	IEEE Xplore - International Conference on Advanced Computing and Communication Systems	Jun-21	Scopus
21	S.Madhankumar	Design and Modelling of Autonomous Mobile Robot for Material Handling	IEEE Xplore - International Conference on Advanced Computing and Communication Systems	Jun-21	Scopus
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.	Jun-21	Scopus
23	Ms.S.Nithya Priya	Autonomous Supermarket Robot Assistance Using Machine Learning	2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021,	Jun-21	Scopus
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)	Jun-21	Scopus
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	Jun-21	Scopus
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. 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	11 June 2021	Scopus
28	Mr.P.M.Arunkumar	Simultaneous Localization and Mapping based Autonomous Lawn Mower	IEEE Xplore - International Conference on Advanced Computing and Communication Systems (ICACCS)	Jun-21	Scopus

29	M.Bhuvaneshwari	Design of Solar Powered Air Purifier with Air Quality Monitoring	Turkish Online Journal of Qualitative Inquiry	Jul-21	-
30	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 978-3-030-74114-5 Springer Cham	03 September 2021	Scopus
31	Dr. M. Lydia	Security Challenges in 5G and IoT Networks: A Review	EAI/Springer Innovations in Communication and Computing	29 October 2021	Scopus
32	Dr. M. Lydia	A Comprehensive Overview on Impact of Trust Models in Internet of Things	2021 2nd International Conference on Smart Electronics and Communication (ICOSEC)	15 November 2021	Scopus
33	Ms. S. Kannaki	Design and Fabrication of Automated Cloth Pulling Machine for Shed Work	2021 Smart Technologies, Communication and Robotics (STCR)	13 November 2021	Scopus
34	Mr. T. Vignesh	Technology in Design Aspect of BIN Bot Robot	2021 Smart Technologies, Communication and Robotics (STCR)	13 November 2021	Scopus
35	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)	20-Dec-2021	Scopus
36	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)	20-Dec-2021	Scopus
37	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	2-Dec-2021	Scopus
38	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	Scopus
39	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	Scopus
40	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	Scopus
41	Dr. V. Narasimharaj	A Novel Approach to determine the natural resting orientation of brake lever	Lambert Academic Publishing	October 2021	-
42	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	WoS
43	Dr. M. Lydia	Deep learning algorithms for wind forecasting: An overview	Wiley Book Chapter	2022	Scopus
44	Dr. R. Gopinathan	The applications of Machine learning approaches in digital health interventions	Bulletin of Environment	2022	-

45	Ms. K. Ananthi	Recycle of Plastic Material for Fabrication of Paver Blocks	Lecture Notes in Electrical Engineering	01 April 2022	Scopus
46	Mr. T. Vignesh	Technology in Design Aspect of DRO-CO Bot Robot	International Journal of Mechanical Engineering	01 April 2022	-
47	Dr. T. A. Selvan and Mr. S. Madhankumar	Multi-objective Optimization on Processing Parameters for Micro ECM of Inconel Alloy Using	Functional Composite Materials: Manufacturing Technology and	2022	-
48	Dr.D.Pritima & Dr.G.Veerappa	Investigation and finite element simulation on the MRR and tool wear of aluminium silicon alloy during turning process	Surface Topography: Metrology and Properties, Volume 10, Number 2	June 2022	Scopus/WoS
49	Dr.D.Pritima & Dr.G.Veerappa	Analysis of spring back behaviour during bending of AISI 1045 sheet metal	Materials Today: Proceedings 2022, 59, pp. 1575–1580	May 2022	Scopus/WoS
50	Dr.V.Narasimharaj	A Comparative study of additive and subtractive manufacturing	Advances in Materials science and Engineering	April 2022	Scopus
51	Dr.R.Gopinathan	A Handbook on commerce and management: applications, concepts and technologies	academic guru publishing		
52	Dr.R.Gopinathan	Investigating the performance of a NMPCM integrated heat sink for chipset cooling	Materials Today: Proceedings	May 2022	Scopus/WoS
53	Dr.R.Gopinathan	A Conceptual Distributed Framework to Support the role of Machine Learning in Marketing Management	MANAGER – THE BRITISH JOURNAL OF ADMINISTRATIVE MANAGEMENT	May 2022	Scopus
54	Dr.R.Manikandan	Automation of a Vertical Machining Centre using Six-Cylinder Pneumatic Fixture.	Tierarztliche Praxis	2022	Scopus
55	Dr.G.Veerappan	Artificial Neural Network Modeling of Abrasion Loss and Surface Roughness of Crab Carapace Impregnated Coir Vinyl Ester Composites	Advances in Materials Science and Engineering	13 Apr 2022	Scopus
56	Dr.G.Veerappan & Dr.D.Pritima	Experimental investigation on machining behavior in dry turning of nickel based super alloy-Inconel 600 and analysis of surface integrity and tool wear in dry machining	Materials Today : Proceedings	2022	Scopus
57	Dr.G.Veerappan & Dr.D.Pritima	Influence of cryogenic treatment on tool life, flank wear and surface roughness for machining nickel based super alloy-Haynes 282	Materials Today : Proceedings	2022	Scopus
58	Dr. J.Justin Maria Hillary	Investigation on Microstructural Characterization and Mechanical Behaviour of Aluminium 6061 – CSFA / Sicp Hybrid Metal Matrix Composites	Silicon, Springer		Scopus/WoS
59	S. Panneerselvam	Performance Comparison of Domestic Refrigeration System with Latent Heat Storage Materials	IEEE explore - 2021 Smart Technologies, Communication and Robotics (STCR)	15 November 2021	Scopus
60	Dr.D.Pritima	A study on the marketing strategies towards health drink category in madurai district.	Shodhsamhita Journal of Fundamental & Comparative Research Vol. VII, No. 12 : 2020-21	2022	

61	Dr.D.Priitma	A study on Logistic Management in ocean trade in tamilnadu	Journal of the Oriental Institute Vol. 71, Is	2022	
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