

S No	Title	Authors	Journal	Year
1	HE-Co-HOG and k-SVM classifier for finger knuckle and palm print-based multimodal biometric recognition	Veluchamy S., Karlmarx L.R.	Sensor Review	2020
2	Piezoelectric energy harvesting from DC-DC converters	Raghavendran S., Umapathy M., Uma G., Karlmarx L.R.	Ferroelectrics	2020
3	Evaluation method to improve standard setting in engineering courses-a study	Julius Fusic S., Rishwana M., Swathilakshmi P.R.K., Kavitha D.	Journal of Engineering Education Transformations	2020
4	An improved zero-voltage zero-current transition boost converter employing l-c-s resonant network	Anandh N., Sharma A., Julius Fusic S., Ramesh H.	International Journal of Power Electronics and Drive Systems	2020
5	Optimal path planning of autonomous navigation in outdoor environment via heuristic technique	Julius Fusic S., Kanagaraj G., Hariharan K., Karthikeyan S.	Transportation Research Interdisciplinary Perspectives	2021
6	Six sigma in health-care service: a case study on COVID 19 patients's satisfaction	Raja Mohamed K.B.N., M P.R., S S., A J.R., Anderson R.	International Journal of Lean Six Sigma	2021
7	Assessments of process parameters on cutting force and surface roughness during drilling of aa7075/tib2 in situ composite	Parasuraman S., Elamvazuthi I., Kanagaraj G., Natarajan E., Pugazhenth A.	Materials	2021
8	Online assignment approach in mechatronics system design course using Google classroom	Julius Fusic S.	Journal of Engineering Education Transformations	2021
9	Enumerative Search Algorithm for Robotic Disassembly Line Balancing Problem	Kanagaraj G., Naresh R., Yu V.F.	International Journal of Robotics and Automation	2021
10	Inverse kinematic solution of obstacle avoidance redundant Robot manipulator by Batalgorithms	Kanagaraj G., Masthan S.A.R.S., Yu V.F.	International Journal of Robotics and Automation	2021
11	Methodology for Human Robot Interface in Arc Welding Operation - An Industry Case study	Nanditha P C and Ganesh M A	International Journal of Advanced Information and Communication Technology	2021

12	Assessment of Jasmine Supply Chain Centered Upon Nilakotai Market	S. Rajkumar, S.Karthikeyan	International Journal of Science, Engineering and Management	2021
13	Impact of implementing project-based assignment (PBA) in CDIO framework for computer numerical control application course	Julius Fusic S., Anandh N., Anitha D., Sugumari T., Sri Vinodhini H.	Computer Applications in Engineering Education	2022
14	Effect of Q-Net demonstration-based educational approach on improving students problem-solving skills in the electrical machines course	Julius Fusic S., Ramesh H., Sharanya G.	Journal of Engineering Education Transformations	2022
15	Low Cost Digital Trainer Experimentation Platform – A Case study	Devarajan M.M., Parthasarathi S., Ganesh M.A.	Journal of Engineering Education Transformations	2022
16	Digital transformation of Industrial Automation Course in virtual learning environment during COVID-19 Pandemic	Julius F.S., Rajalakshmi R., Sugumari T.	Journal of Engineering Education Transformations	2022
17	Item Analysis Technique for improving Course Outcome Attainment	Raja M.P., Abirami A.M.	Journal of Engineering Education Transformations	2022
18	Implementation of the CDIO Framework in Engineering Courses to Improve Student-Centered Learning	Julius Fusic S., Anandh N., Subbiah A.N., Bhaven Kumar Jain D.	Journal of Engineering Education Transformations	2022
19	Scene terrain classification for autonomous vehicle navigation based on semantic segmentation method	Julius Fusic S., Hariharan K., Sitharthan R., Karthikeyan S.	Transactions of the Institute of Measurement and Control	2022
20	Optimal Tuning of Servo Motor Based Linear Motion System Using Optimization Algorithm	Ramesh H., Xavier S.A.E.	Journal of Electrical Engineering and Technology	2022
21	Enabling internet of things in road traffic forecasting with deep learning models	Praveen Kumar B., Hariharan K., Shanmugam R., Shriram S., Sridhar J.	Journal of Intelligent and Fuzzy Systems	2022

22	Time Series Traffic Flow Prediction with Hyper-Parameter Optimized ARIMA Models for Intelligent Transportation System	Kumar P.B., Hariharan K.	Journal of Scientific and Industrial Research	2022
23	Predictive Control of Axis Drift in Linear Motion Control Systems	Ramesh H., Xavier S.A.E., Thangapandian P., Anandh N.	Journal of Scientific and Industrial Research	2022
24	Meta-Heuristics Based Inverse Kinematics of Robot Manipulator's Path Tracking Capability Under Joint Limits	Kanagaraj G., Masthan S.A.R.S., Yu V.F.	Mendel	2022
25	Autonomous vehicle path planning for smart logistics mobile applications based on modified heuristic algorithm		Measurement Science and Technology	2022
26	Recycle used paper egg carton boxes as a source to produce hybrid AgNPs-carboxyl nanocellulose through bio-synthesis and its application in active food packaging	GR Raghav, KJ Nagarajan, M Palaninatharaja, M Karthic, MA Ganesh	International Journal of Biological Macromolecules	2023
27	Gravitation search-based hybrid algorithm for solving inverse kinematics of an n-link redundant manipulator	SM SAR, G Kanagaraj, VF Yu	Journal of Computational Design and Engineering	2023
28	Implementation of an Industrial Automation Remote Lab (IARL) and validation using a deep learning approach during a COVID pandemic	S Julius Fusic , H Ramesh	Computer Applications in Engineering Education WILEY	2023
29	Effect of Q-Net Demonstration based educational approach on improving students problem solving skills in the electrical machines course	S Julius Fusic , H Ramesh	Journal of Engineering Education Transformations	2023
30	Mechatronics and Control Systems: Integration of Mechanical and Electrical Engineering	M Balamurali, S Julius Fusic, Krishna Priya	Journal of European Chemical Bulletin	2023

31	Machine Learning based Tutor Ward System (MLTWS) for Cognitive Learning style Management	K Gautham, S Julius Fusic, ADP Gurunandhan, T Sugumari	Journal of Engineering Education Transformations	2023
32	Design and Analysis of Single-Fed Dual-Mode Circular Parasitic Patch Antenna (CPPA) for UAV Application	Sugumari T, Julius Fusic S*, Jeshuran corolinus, Subbiah AN	SN Computer Science, Springe	2023
33	"Improved RRT* algorithm-based path planning for Unmanned aerial vehicle in a 3D metropolitan Environment.	Julius Fusic, S., and R. Sitharthan	Unmanned Systems	2023
34	Digital transformation of Industrial Automation Course in virtual learning environment during COVID-19 Pandemic	Fusic, Julius, R. Rajalakshmi, and T. Sugumari.	Journal of Engineering Education Transformations	2023
35	Static, Dynamic Mechanical and Thermal Characteristics of Luffa, Morinda tinctoria, and Myrobalan Reinforced Epoxy Hybrid Biocomposites	SS Kumar, VM Raja, S Sudhagar, G Kanagaraj, V Vignesh, P Manimaran	Fibers and Polymers	2023
36	A Deep Learning-Based Framework For Alzheimer's Disease Diagnosis And Progression Prediction From MRI Images	M. Rajalakshmi , C. Karthik	ICTACT JOURNAL ON IMAGE AND VIDEO PROCESSING	2024
37	Effect of project-based learning method for improving students problem-solving ability in the experiment of power electronics course.	M Aishwarya, Sri Roophika NS, H Ramesh, S Julius Fusic	Journal of Engineering Education Transformations	2024
38	Introducing Analysis of Experiments in Electrical Machines Laboratory	H Ramesh, S Julius Fusic	Journal of Engineering Education Transformations	2024
39	Data driven modelling of linear motion system using learning algorithm	H Ramesh , Jeshuran Cornelius K S R , Mohamed ashwaque noor mohamed, Aadhavan P	European Chemical Bulletin	2024

40	Production of hybrid AgNPs-TEMPO-mediated oxidation cellulose composite from jackfruit peduncle agro-waste and its thermal management application in electronic devices	MM Devarajan, G Kumaraguruparan, KJ Nagarajan, C Vignesh	International Journal of Biological Macromolecules	2024
41	Thermal analysis of solar panel with phase change material: experimental and numerical study	MM Devarajan, G Kumaraguruparan	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2024
42	Evaluation of thermal performance and vibration effects on automotive headlights for selection of heat sink geometry	MM Devarajan, G Kumaraguruparan	Journal of Thermal Analysis and Calorimetry	2024
43	Design and Development of Linear Compressor for Miniature Vapor Compression Refrigeration System	S Satheesh Kumar, G Kumaraguruparan, S Raja Rajeshwari, MM Devarajan	International Conference in Fluid, Thermal and Energy Systems	2024
44	A compact smiley shaped flexible patch antenna for ISM band applications	Julius Fusic, T Sugumari, Jayant Giri, R Sitharthan, Ahmed Said Badawy, Naim Ahmad, T Sathish	AIP ADVANCE	2024
45	Self-adaptive learning particle swarm optimization-based path planning of mobile robot using 2D Lidar environment	Julius Fusic, R Sitharthan	Robotica, Cambridge University	2024
46	Momordica charantia leaf disease detection and treatment using agricultural mobile robot	Julius Fusic S, Jayant Giri, Emad Makki, R Sitharthan, Shunmathi Murugesan, Abhijit Bhowmik	AIP ADVANCES	2024
47	A design thinking approach to develop entrepreneurial skills in the field of Mechatronics Engineering.	Rajalakshmi R Julius Fusic S, D Kavitha, T Sugumari, S Nivetha	Journal of Engineering Education Transformations	2024
48	Optimizing blood glucose regulation in type 1 diabetes: A fractional order controller approach	Manikandan Shenbagam ; Ganesan Kanagaraj ; Jayant Giri ; Vincent F. Yu , Hong Qin Saurav Mallik	AIP Advances	2024
49	Optimization of louver fin geometries for miniature microchannel condenser by Taguchi and CFD method	S Satheesh Kumar, G Kumaraguruparan & T S Senthilkumar	Sādhanā, Springer	2024

50	Adaptive Meta-heuristic Framework for Real-time Dynamic Obstacle Avoidance in Redundant Robot Manipulators	Sheik Masthan Shahul Abdul Rahim, Kanagaraj Ganesan and Mohammed Shafi Kundiladi	Annals of Emerging Technologies in Computing (AETiC)	2024
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