



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Publication Details (2021-2022)

Sl.No	Name Of The Authors	Title Of The Paper Published	Name Of The Journal	Month/Year Of Publication	DOI / ISBN/ISSN Number	SCOPUS/SCI/WOS/UGC
1	Dr.S.SIVARAJESWARI Dr.M.JAGADEESH KUMAR	A Machine Learning Approach for Human Breath Diagnosis soft sensors	COMPUTERS AND ELECTRICAL ENGINEERING	2022	10.1016/j.compeleceng.2022.107945	SCI
2	L.VIJAYARAJA/ R. DHANASEKAR	Re-allocation of distributed generation using available renewable potential based multi-criterion multi objective hybrid techniques	SUSTAINABILITY	2021	https://doi.org/10.3390/su132413709	SCI
3	L.VIJAYARAJA/ R. DHANASEKAR	Simulation And Experimentation Of 57-Level Inverter	IEEE DIGITAL LIBRARY	2021	10.1109/ICAACCA51523.2021.9465296	WOS
4	L.VIJAYARAJA/ R. DHANASEKAR	Design Of Higher Order Converter For Piezo Electric Energy Harvesting Applications	IEEE DIGITAL LIBRARY	2021	10.1109/ICAACCA51523.2021.9465296	WOS
5	Dr.TMUTHAMIZHAN	Sensor less Control Of Z Source Inverter Fed BLDC Motor Drive By FOC - DTC Hybrid Control Strategy	IEEE DIGITAL LIBRARY	2021	10.1109/ICEES51510.2021.9383752	WOS



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Using Fuzzy Logic
Controller



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6	A.SASIKALA	AITransformation In Retail Sectors	Int. J. Public Sector Performance Management, Vol.8,No.3, 2021	2021	10.1504/IJPSPM.2021. 118680	SCOPUS
7	Dr.T.MUTHAMIZHAN	Active Shunt Power Filter UsingANN Controller For WindTurbine- PMSG Interfaced ToGrid	IEEEDIGITAL LIBRARY	2021	10.1109/INCET51464. 2021.9456123	SCOPUS
8	Dr.T.MUTHAMIZHAN, Dr.M.JAGADEESH KUMAR, P.RATHNAVEL	APhotovoltaic Fed High Gain Bidirectional DC/DC Converter OnEVCharging Stations Applications	IEEEDIGITAL LIBRARY	2021	10.1109/GCAT52182.2 021.9587699	SCOPUS
9	N.SHANTHI	Work-In-Progress: SmartAutomatic Regeneration Of Electricity Using Thermoelectric Generator Technology	IEEEDIGITAL LIBRARY	2021	10.1109/ICCCT53315. 2021.9711775	SCOPUS



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10	Dr.TMUTHAMIZHAN	Fuzzy Logic Controller Based 3-Phase4-Wire Inverter For EnhancingThe Reactive Power Injecting Capability InAsymmetrical VoltageSag	IEEEDIGITAL LIBRARY	2021	10.1109/GCAT52182.2 021.9587511	SCOPUS
11	R. DHANASEKAR/L. VIJAYARAJA	An Overview of EV Batteries and Study Analysis on Charging Methodology	IEEEDIGITAL LIBRARY	2022	10.1109/ICCCI54379. 2022.9740935	SCOPUS
12	Dr.S.SIVARAJESWARI	Design of an automated recurrent neural network for emotional intelligence using deep neural networks	IEEEDIGITAL LIBRARY	2022	978-1-6654-0118-0	SCOPUS
13	T.THENMOZHI	Hard Exudates Detection For Diabetic Retinopathy Early Diagnosis Using Deep Learning	SPRINGER	2022	10.1007/978-981-16-6 605-6_22	SCOPUS



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14	E.MAHESWARI	3-Phase Power Quality Improvement using ZETA Converter	IEEE DIGITAL LIBRARY	2022	<u>10.1109/ICSSIT53264.2022.9716380</u>	SCOPUS
15	Dr.M.JAGADEESH KUMAR, Dr.T.MUTHAMIZHAN, P.RATHNAVEL	Performance and Analysis of voltage compensation in transmission line Using SMES-Based IDVR	Lecture notes in Electrical Engineering	2022		SCOPUS
16	G.EZHILARASI	Performance Of A Photovoltaic Luo Converter With Multiple Lift Push Pull Switched Capacitors	International Journal Of Aquatic Science	2021	ISSN: 2008-8019	OTHERS (Will be indexed in WOS)
17	G.EZHILARASI	Automatic Detection And Power Simulation For Gas Leakage And Its Monitoring System.	International Journal Of Aquatic Science	2021	ISSN: 2008-8019	OTHERS (Will be indexed in WOS)
18	L.VIJAYARAJA/ R. DHANASEKAR Dr.S.SIVARAJESWARI	Design of Thirteen Level Inverter suitable for Solar Farms	IEEE DIGITAL LIBRARY	2022	<u>10.1109/ICCCI54379.2022.9741026</u>	(Will be indexed in scopus)



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19	Dr.S.SIVARAJESWARI	Attitudinal changes due to unanticipated transition to remote work	ATLANTIS PRESS (SPRINGER NATURE)	2022	doi.org/10.2991/ahsseh.k.220105.017	(Will be indexed in SCOPUS)
20	E.MAHESWARI	Performance of Photovoltaic-Based ZETA Converter Water Pumping Application	Sixth International Conference on Intelligent Computing and Applications (Springer Nature)	2021	DOI: 10.1007/978-981-16-1335-7_3	(Will be indexed in SCOPUS)
21	T.THENMOZHI	Mitigation of sag/Swell in transmission line using DVR	Journal of Next Generation Technology	June 2021	-	UGC
22	M.VEERASUNDARAM	ANN Based Speed Control Of BLDC Motor	DESIGN ENGINEERING	2021	-	OTHERS (Will be indexed in SCOPUS)

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S.NO	Name of the Author	Title of the Paper	Name of the Journal	Month/Year of Publication	DOI / ISBN/ISSN Number	Indexed in (Scopus, WoS, SCI, UGC)
1	E.MAHESWARI	Comparative Analysis of AC and GPWM Controllers in Continuous Input and Output Power Boost PFC Converter	Journal of control engineering and applied informatics	Dec/2020	ISSN 1454-8658	SCIE
2	R. DHANASEKAR, L.VIJAYARAJA	Trends and challenges in multi-level inverter with reduced switches	Electronics	February 2021	https://doi.org/10.3390/electronics10040368	SCI
3	L.VIJAYARAJA	Realization of 485 level inverter using tri-state architecture for renewable energy systems	Energies	2020	https://doi.org/10.3390/en13246627	SCI
4	A.SASIKALA	Implementation of Legendre Neural Network to Solve Time-Varying Singular Bilinear Systems	Computers, Materials & Continua	May 2021	DOI:10.32604/cm.2021.017836	SCI
5	ASASIKALA/ Dr.TMUTHAMIZHAN	Smart Home LPG Application Using GSM Network and Controlling Black-Marketing by RFID Technology	Intelligent Systems and Computer Technology	2020	doi:10.3233/APC200136	SCOPUS



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6	Dr.TMUTHAMIZHAN	ANFIS Controller Based SpeedControl of High-Speed BLDCMotor Drive	IntelligentS ystems andCompute r Technology	2020	doi:10.3233/APC 200164	SCOPUS
7	SASIKALA.A	On the Design and Applications ofan Integrated Smart Home Automation	Data Intelligenceand Cognitive Informatics	2021	https://doi.org/10.1007/978-981-15-8530-2_3	SCOPUS
8	Dr.TMUTHAMIZHAN	Active Shunt Power Filter UsingANNControllerforWindTur bine - PMSG Interfaced to Grid	IEEE DigitalLibrar y	March 2021	10.1109/ICEES5 1510.2021.93837 52	SCOPUS
9	Dr.TMUTHAMIZHAN	An intelligent fuzzy controlledmicrogrid fed by distributiongeneration sources	IEEE DigitalLibrar y	June 2021	10.1109/INCET5 1464.2021.94561 23	SCOPUS
10	R. DHANASEKAR,L.VI JAYARAJA	Development of mobile car blackbox with synchronous action ofvehicle control unit and androidmobile using belemnite material	ELSEVIER-Mate rials Todayproce edings	2021	https://doi.org/10.1016/j.matpr.2021.01.632	SCOPUS
11	T.THENMOZHI	Control of Brushless DC Motor byVoicecommandImplementing machine learning	ELSEVIER-Mate rials Todayproce edings	February 2021	DOI:10.1016/j.m atpr.2021.02.175	SCOPUS



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12	A.SASIKALA	Enhancements on the Efficacy of Fire fighting Robots Through Team Allocation and Path-Planning	Intelligent technologies and Robotics	Jan 2021	https://doi.org/10.1007/978-981-15-8530-2_11	SCOPUS
13	N.SHANTHI/E. MAHESWARI	Simulation modelling of Semi Automation Transport Vehicle.	IEEE DIGITAL LIBRARY	2020	DOI:10.1109/ICSTCEE49637.2020.9277351	SCOPUS
14	L.VIJAYARAJA/R.DHANASEKAR	Silicon made switches for the development of low cost asymmetric 25 level inverter	Materials Today: Proceedings	2021	https://doi.org/10.1016/j.matpr.2021.01.631	SCOPUS
15	L. VIJAYARAJA/R. DHANASEKAR	Anovel PWM scheme for grid-tied inverter in micro-grid with enhanced power quality using silicon cells	Materials Today: Proceedings	2021	DOI:10.1016/j.matpr.2021.03.129	SCOPUS
16	DR.M.JAGADEES HKUMAR	Numerical analysis of hip bone replacement design parameters	Materials Today: Proceedings	2020	4271-4277	SCOPUS
17	T.THENMOZHI	Controller for Charging Electric Vehicles Using Solar Energy	Journal of Engineering Research and Application	January 2020	10.9790/9622-1001034953	UGC



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18	Dr.TMUTHAMIZHAN	Sensor less Control of Z-Source Inverter Fed Brushless DC Motor Drive Using Hybrid Control Strategy For Electric Vehicle Applications	International Journal of Solid State Technology	2020	ISSN:0038-111X	UGC
19	Dr.TMUTHAMIZHAN	Designing and Modeling of Three Phase Inverter using Redundant Leg	International Journal of Solid State Technology	2020	ISSN:0038-111X	UGC
20	Dr.TMUTHAMIZHAN	Multiband 8 Element MIMO Antenna Array with Orthogonal Circular Polarization for Sub 6GHz Cellular Applications	International Journal of Solid State Technology	2020	ISSN:0038-111X	UGC
21	E.MAHESWARI/ DR.S.SIVARAJESWARI	Ilkogretim Online	Animal Vehicle Collision Avoidance Using Image Processing	2020	doi:10.17051/ilkonline.2020.03.735603	UGC
22	A.SASIKALA N.SHANTHI	Ilkogretim Online	Superconducting Electrical machines	2020	doi:10.17051/ilkonline.2020.02.696755	UGC



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23	N.SHANTHI A.SASIKALA	Ilkogretim Online	Automatic PublicTransportT icketingSystem	2020	doi:10.17051/ilko nline.2020.04.76 509 9	UGC
24	P.RATHNAV EL,Dr.G.PRA KASH,Dr.T. MUTHAMIZ HAN,Dr.M.JA GADEESHK UMAR	Ilkogretim Online	An LLC Resonant Converter Design Forwide Output Voltage Range Of Battery Charging	2020	doi: 10.17051/ilko online.2020.04.76 5058	UGC

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