



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR:2023-2024

JUNE – DEC 2023-NATIONAL & INTERNATIONAL JOURNAL

S.No	Author(s)	Title	Journal name	Journal ISSN No	Year & Month	Vol no.	Page no	DOI	Database (WOS/ Scopus/ SCI / SCIE/ UGC)
1.	Pradeep, J., Vengadakrishnan, K., Palani, A., Sandirasegarane, T.	A new tri-source symmetric cascaded multilevel inverter topology with reduced power components	Circuit World	ISSN: 030 5-6120	Nov 2023	Vol. 49 No. 4,	pp. 431- 444.	https://doi.org/10.1108/8/CW-06-2021-0184	SCIE
2.	Jayarama Pradeep, A. Jamna & Ramakrishnann Sasikumar	Low-Cost Voice-Controlled Prosthetic Arm with Five Degrees of Freedom	IETE Journal of Research	0974- 780X	JULY 2023	Volume 69, 2023 - Issue 7	4047- 4052	https://doi.org/10.1080/03772063.2021.1958069	SCIE
3.	B. Neeraja, M. Ramesh Babu, Neeraj Kumar ...	PI Controller Based Power Factor Correction Circuit for Plug-in Hybrid Electric Vehicle Using Solar Charging Module	Electric Power Components and Systems	15325016, 15325008	NOV 2023	0(0): 1– 15		https://doi.org/10.1080/0/15325008.2023.2280920	SCIE
4.	Sriram A., Sudhakar T.D.	Photovoltaic Cell Panels Soiling Inspection Using Principal Component Thermal Image Processing	Computer Systems Science and Engineering	2994-3205	2023	45(3)	2761- 2772	10.32604/csse.2023.028559	Scopus
5.	Indira Damarla, M. Venmathi, Ramudu Ganji Sangari A	A quick demagnetization approach for low torque ripple in three-phase switched reluctance motor drive system for electric vehicle applications	International Journal of Circuit Theory and Application. .	Online ISSN:109 7-007X Print ISSN:009 8-9886	DEC 2023	1–20		https://doi.org/10.1002/cta.3898	SCIE

6.	Indira Damarla, M. Venmathi, V. Krishnakumar, P. Anbarasan	Performance analysis of FEC based SR motor drive using fuzzy tuned PI controller	Circuit World	0305-6120	DEC 2023			https://doi.org/10.1108/CW-08-2022-0240	SCIE
7.	Prashant Diwan, A. Nagarajan, B. Mahendran, V.	HEG-T2F: Hybrid Ebola Gannet-Based Type 2 Fuzzy-Based Controller for Modular Multilevel Converter	Electric Power Components and Systems, Taylor and Francis	15325016, 15325008	DEC 2023	1-15		https://doi.org/10.1080/15325008.2023.2280854	SCIE
8.	Raj, P.J., Prabhu, V.V., Krishnakumar, V., Anand, M.C.J.	Solar Powered Charging of Fuzzy Logic Controller (FLC) Strategy with Battery Management System (BMS) Method Used for Electric Vehicle (EV)	International Journal of Fuzzy Systems	2199-3211	AUG 2023	Volume 25,	Pp 2876–2888	https://doi.org/10.1007/s40815-023-01537-7	SCIE
9.	Vijayaragavan, M., Krishnakumar, V., Vasan Prabhu, V.	Energy management approach in electric vehicle with optimizing electricity consumption cost using hybrid method	Energy and Environment	0958305X	2023	34(3),	pp. 663–689	https://doi.org/10.1177/0958305X221135020	SSCI
10.	N. Madhanakkumar, M. Vijayaragavan, V.Krishnakumar, Kannan P	Optimal battery-swapping mechanism for electric vehicles using hybrid approach	Clean Technologies and Environmental Policy	1618954X	NOV 2023	Volume 26	Pp 351–365	https://doi.org/10.1007/s10098-023-02632-x	SCOPUS
11.	Sridharan, S., Sivakumar, S., Shanmugasundaram, N., Swapna, S., Vasan Prabhu, V.	A hybrid approach based energy management for building resilience against power outage by shared parking station for EVs	Renewable Energy	0960-1481	Aug 2023	Volume 216		10.1016/j.renene.2023.119002	SCIE
12.	Sridharan, S., Shanmugasundaram, N., Anna Devi, E., Vasan Prabhu, V., Velmurugan, P.	Slime Mould Algorithm (SMA) and Adaptive Neuro-Fuzzy Inference (ANFIS)-Based Energy Management of FCHEV Under Uncertainty	IETE Journal of Research	1886-1784 (Online)	MAY 2023	Volume 30	2683–2723,	https://doi.org/10.1007/s11831-023-09883-3	SCIE
13.	Nagulsamy Nalini ; Chandrasekaran Kumar ; Natarajan	Integrated approach for dynamic economic/emission dispatch problem: multi-	Springer- Electrical Engineering	2191-8120	DEC 2023			https://doi.org/10.1007/s00202-023-02117-6	SCIE

	Chidambararaj	objective moth flame optimizer with transmission loss prediction using cascaded forward neural network							
14.	P Anbarasan, M. Venmathi, V.Krishnakumar, Suresh.M, Om Prava Mishra, Ponarun , Muni Raj, Kishor Kumar	A Novel Design and Development of Multilevel Inverters for Parallel Operated PMSG-Based Standalone Wind Energy Conversion Systems	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	2364-1827	SEP 2023	Volume 48	pp.277-287	https://doi.org/10.1007/s40998-023-00661-2	SCIE
15.	Naresh Kumar M., Venkatesh Kumar C., D. Kamalakkannan, Kaushalya Thopate, Sathish Kumar Shanmugam, T. Vignesh, Anand Goswami & D. Kalpanadevi	An Optimized PV-Based Multi-Port Plug-In EV Charger Using Improved Particle Swarm Optimization Algorithm	Electric Power Components and Systems - Taylor & Francis	15325016, 15325008	Oct 2023			https://doi.org/10.1080/15325008.2023.2270572	SCIE
16.	Ramesh Velumayil, A. Seikh, Vedagiri Balasubramanian, Abul Kalam, S. Ravishankar, Jayaprakash Venugopal, Lakshmikanthan Chitra, Lakshmanasamy Saravanakumar, T.S. Senthilkumar	performance enhancement of water output via latent heat storage system with single slope solar stills	Thermal Science	2334-7163	DEC 2023	vol 27, Issue 6B,	pp. 4851- 4860	DOI:10.2298/tsci221225250v	SCIE

JUNE – DEC 2023- NATIONAL & INTERNATIONAL CONFERENCE

INTERNATIONAL CONFERENCE							
S.No	Author(s)	Month & Year	Title	Name of the Conference	Venue	doi	Scopus
1.	S. Mohamed Aashik, Pradeep Jayarama, N.S. Abishlal, T. Abinayaa Sri A. Jenin Benedict	26 July 2023	Smart Energy Management and Load Monitoring of Individual Loads	2023 International Conference on Sustainable Technologies in Civil and Environmental Engineering (ICSTCE 2023)	E3S Web of Conferenc es	https://doi.org/10.1051/e3sconf/202340502013	SCOPUS
2.	Chandrika, V.S., Pradeep, J., Sivakumar, A., Krishnan, T.S., Boopathi, S.	2023	Theoretical study on power distribution systems for electric vehicles	Intelligent Engineering Applications and Applied Sciences for Sustainability		DOI: 10.4018/979-8-3693-0044-2.ch001	BOOK CHAPTER
3.	Judith, A.A., Narmadha, T.V.		Performance Analysis and Implementation of Modified SEPIC Converter using Hybrid Source	14th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2023			
4.	Rekha, Y., Jamuna, V., Christopher, I.W., Narmadha, T.V.	AUG 2023	Application of Artificial Intelligence Techniques in Grid-Tied Photovoltaic System - An Overview	IoT and Analytics in Renewable Energy Systems (Volume 1): Sustainable Smart Grids and Renewable Energy Systems		https://doi.org/10.1201/9781003331117	BOOK CHAPTER
5.	Karthick, S., Ramesh Babu, M., Shyam, M., ... Shalini, R., Gomathi, S.	APR 2023	Stability Analysis of Integrated Power System with Renewable Energy Sources	Proceedings of the 2023 2nd International Conference on Electronics and Renewable Systems	IEEE XPLORE	10.1109/ICEARS56392.2023.10085015	SCOPUS
6.	Sudhakar T. D., H Prasad	June 2023	Optimal Service Reconfiguration and Restoration of Network using Cuckoo-Search and Prim's Algorithms	2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN)	Narasu's sarathy institute of Technology	10.1109/ICPCSN58827.2023.00115	SCOPUS/WOS

7.	Sudhakar T. D., S Nishant, H Prasad	August 2023	Photovoltaic Energy based Water Agitators to Prevent Mosquito Larvae Production	2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS)	Care College of Engineeri ng	10.1109/ICAISS5 8487.2023.10250 546	SCOPUS/WOS
8.	Jeyaprakash.N Nivethitha Devi.M Vignesh.A Vignesh.L Sudhakar.T.D.	May 2023	Detection of Real Time Face Mask using Convolutional Neural Network	9th International Conference on Electrical Energy Systems, ICEES 2023	SSN college of Engineeri ng	10.1109/ICEES57 979.2023.101100 53	SCOPUS/WOS
9.	Niraimathi Ramachandran, Shanthi Murugan, Chamundeeswari Vinayagam,	2023	Modeling and Optimization of Optical Communication Networks	Book chapter-optical sensors		https://www.scribenerpublishing.com/cart/title.php?id=899	BOOK CHAPTER
10.	Mani Sha N , Dr. V. Chamundeeswari , Nasrin M , Maria Shirley John L M	May 2023	Photo-voltaic (PV) based Electric Vehicle Charging using Zeta converter	9th International Conference on Electrical Energy Systems ICEES - 2023	SSN college of Engineeri ng	10.1109/ICEES57 979.2023.101102 97	SCOPUS/WOS
11.	S Santhosh Chakkaravarthy Shrudhurag Krishna M. Venmathi	May 2023	Analysis of Bridgeless Converter Based Charger for Automotive Applications	9th International Conference on Electrical Energy Systems ICEES - 2023	SSN college of Engineeri ng	10.1109/ICEES57 979.2023.101102 49	SCOPUS/WOS
12.	Aruna, P., Vasan Prabhu, V., Krishnakumar, V.,	July 2023	Review on Lithium-Ion Battery Modeling Techniques For Electric Vehicle Applications	Lecture Notes in Electrical Engineering	1037 LNEE, pp. 551– 565	https://link.springer.com/chapter/10.1007/978-981-99-1983-3_49	BOOK CHAPTER
13.	Aruna, P., Vasan Prabhu, V., Krishnakumar, V.	May 2023	Modeling and Estimation of Enhanced Self Correcting Model Parameters of Lithium Ion Cell	Proceedings of 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication	NIT,Pudu cherry	10.1109/ICOnSCE PT57958.2023.10 170474	SCOPUS

14.	Vijaya Saraswathi, R.J., Krishnakumar, V., Vasan Prabhu, V.	May 2023	Review of Various Algorithms Used to Monitor the Performance of EV Battery	Proceedings of 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication	NIT,Pudu cherry	10.1109/IConSCE PT57958.2023.10 170048	SCOPUS
15.	Vinoth Kannan R Krishnakumar V Murugan M	May 2023	A Novel Multilevel H-6 Inverter with Twin Voltage Generation Modules for Medium Power Applications	2023 9th International Conference on Electrical Energy Systems (ICEES)	SSN college of Engineeri ng	10.1109/ICEES57 979.2023.101102 16	SCOPUS/WOS
16.	Abhinavsan, E., Velmurugan, P., Sridharan, S.	May 2023	Analysis of Zeta Converter Based Hybrid Energy Storage System For V2G Integration	9th International Conference on Electrical Energy Systems, ICEES 2023,	SSN college of Engineeri ng	10.1109/ICEES57 979.2023.101101 25	SCOPUS/WOS
17.	Divya, G., Sridharan, S., Velmurugan, P.	May 2023	Integrated Interleaved Luo Converter with Buck Converter Designed for Electric Vehicle Application	9th International Conference on Electrical Energy Systems	SSN college of Engineeri ng	10.1109/ICEES57 979.2023.101100 50	SCOPUS/WOS
18.	Chidambararaj N.	DEC 2023	Enhanced Wireless Sensor Network Localization using Modified Firefly Optimization Algorithm	3rd International Conference on Innovative Computing, Intelligent Communication and Smart Electrical System (ICSSES 2023)	Semantic Scholar	DOI:10.1109/ICS ES60034.2023.10 465303	SCOPUS
19.	Ravindera Raman Cholla, Dr. Sushma Kakkar, Dr. Chidambararaj Natarajan, Chahat Gulati, Dr. Vijay Kumar Dwivedi, Mr. Akshay Rajput	OCT 2023	End to End Classification of Transmission lines in Fault detection using SW and Extreme Learning based approach	2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)	M.P.Nach imuthu M.Jaganat han Engineeri ng College	10.1109/ICSSAS 57918.2023.1033 1784	SCOPUS
20.	Thiruvel, A.P., Thiruppathi, S., Chidambararaj, N., Aravindhnan, K.	May 2023	Modern Power System Operations in Effective Transmission Congestion Management via Optimal DG Capacity Using Firefly Algorithms	Proceedings of the 9th International Conference on Electrical Energy Systems	SSN college of Engineeri ng	10.1109/ICEES57 979.2023.101102 74	SCOPUS/WOS

21.	V.M Sruthi.; Romy Jenit Xavier Jeya Singh; P Anbarasan	May 2023	Modeling and Analysis of Hybrid Photovoltaic based DC Bus System for EV Applications	9th International Conference on Electrical Energy Systems (ICEES), Chennai	SSN college of Engineering	10.1109/ICEES57979.2023.10110083	SCOPUS/WOS
22.	Dr.S.Gomathi, R.G.Nirmala, Dr.S.Jaanaa Rubavathy, Dr.D.Hemanand	NOV 2023	Investigation of a Bidirectional ZVS Resonant Converter for Renewable Energy Applications	International Conference on Electronics,Communication and Aerospace Technology(ICECA 2023)	RVS Technical Campus, Coimbatore	10.1109/ICECA58529.2023.10395420	SCOPUS
23.	V. Jaya Varshini, A. Hema Apsara, R.G.Nirmala	MAY 2023	A Novel Integrated Threeport Bidirectional DC-DC Converter for Energy Storage Systems in EVs	International Conference on Electrical Energy Systems(ICEES)	SSN college of Engineering	10.1109/ICEES57979.2023.10110157	SCOPUS/WOS
24.	P U Pooranima, Elanthirayan R, R K Pongiannan, A Richard Pravin, J Franklin, R Brindha	NOV 2023	A Single Phase Cascaded H Bridge PV Inverter's Harmonic Compensation Strategy in an Unbalanced Condition	2023 International Conference on System, Computation, Automation and Networking (ICSCAN)	IEEE, PUDUCHERRY	DOI: 10.1109/ICSCAN58655.2023.10394827	SCOPUS
25.	Gowtham Ramkumar, S. Sivakumar, Mukesh Soni, Yasser Muhammed, Hayder Mahmood Salman, Arsalan Muhammad Soomar	DEC 2023	Deep learning based federated learning scheme for decentralized blockchain	Artificial Intelligence, Blockchain, Computing and Security	Computer Science, Engineering & Technology	https://doi.org/10.1201/9781003393580	BOOK CHAPTER
26.	Mohamed Aashik S Rajesh S Sreekanth R	NOV 2023	SMART LOAD OPERATING SYSTEM USING DTMF TECHNOLOGY	2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE)	RMK Engineering college	10.1109/RMKMATE59243.2023.10369052	SCOPUS

27.	Rishab, S.K., Thinoj, D.S., Prabhu, H.U.	MAY 2023	Mechatronic Puppet Based Robotic Hand System For Life Saving Application	Proceedings of the 9th International Conference on Electrical Energy Systems, ICEES	SSN college of Engineering	10.1109/ICEES57979.2023.10110179	SCOPUS/WOS
28.	Rakesh S; K. Jeyageetha; Nishant S; D Nageswari; R B R Prakash; S. Suma Christal Mary	JUNE 2023	Machine Learning and Internet of Things-based Driver Safety and Support System	Proceedings of the 8th International Conference on Communication and Electronics Systems, ICCES 2023	PPG Institute of Technology	10.1109/ICCES57224.2023.10192595	SCOPUS/WOS
29.	S. Jeyapriyanga, Dr C.N.Ravi R. Rathiya, K.Kalaivani, Rama Devi C	AUG 2023	Implementation of A Deep Learning Framework for Intelligent Intrusion Detection in Internet of Things Networks	5th International Conference on Inventive Research in Computing Applications (ICIRCA 2023)	RVS College of Engineering and Technology	10.1109/ICIRCA57980.2023.10220736	SCOPUS/WOS
30.	Das S, Rama Devi C , Nayagam, M.G.Thachamkode, F.Senthil, K.M.	AUG 2023	A Review on the Application of Radiomics and Deep Learning for Disease Identification in Musculoskeletal Radiography	5th International Conference on Inventive Research in Computing Applications (ICIRCA 2023)	RVS College of Engineering and Technology	10.1109/ICIRCA57980.2023.10220668	SCOPUS/WOS

HOD/EEE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

JAN – MAY 2024: NATIONAL / INTERNATIONAL JOURNAL

S.No	Author(s)	Title	Journal name	Journal ISSN No	Year & Month	Vol no.	Page no	DOI	Database (WOS/ Scopus/ SCI / SCIE/ UGC)
1.	Jayarama Pradeep, S. Raja Ratna, P. K. Dhal, K. V. Daya Sagar, P. S. Ranjit, Ravi Rastogi, Vigneshwaran K, A. Rajaram	DeepFore: A Deep Reinforcement Learning Approach for Power Forecasting in Renewable Energy Systems	Electric Power Components and Systems		Apr 2024			https://doi.org/10.1080/15325008.2024.2332391	SCIE
2.	Pradeep, J., Vijayaragavan, M., Krishnakumar, V., Kumar, B.S.	Optimizing simultaneous energy management for slow- and fast-charging electric vehicles: a hybrid approach	Clean Technologies and Environmental Policy		Feb 2024			https://doi.org/10.1007/s10098-023-02705-x	SCIE
3.	Mary, V.B., Narmadha, T.V., Christopher, I.W.	Design, Analysis And Implementation Of Mayflymanfis Algorithm Based Novel BI-Cuk Modified Ac-Dc Converter For Renewable Energy For Sustainable Development	Journal of Environmental Protection and Ecology		FEB 2024	25(1)	pp. 155–169	https://scibulcom.net/en/article/H4OKsw2oV1rvGlnpw6s6	SCOPUS
4.	Mary, V.B., Narmadha, T.V.	Optimization of Integrated Hybrid Systems Using Model Predictive Controller	Electric Power Components and Systems		JAN 2024			https://doi.org/10.1080/15325008.2023.2218366	SCIE

5.	Tamilselvan, D. Sudhakar, T. D.	Optimizing renewable energy utilization with high gain converters	Renewable & Sustainable Energy Reviews		Mar 2024	Vol.191		https://doi.org/10.1016/j.rser.2023.114105	SCIE
6.	Chamundeeswari, V., Seyezhai, R.	Design and Implementation of Fuzzy sliding mode control (FSMC) approach for a Modified Negative Output Luo DC-DC Converter with its comparative analysis	Automatika		JAN 2024	65(1) pp.45-57		https://doi.org/10.1080/00051144.2023.2280875	SCIE
7.	Raj, P. Justin Prabhu, V. Vasana Kumar, V. Krishna	Battery Thermal Management System for Electric Vehicle (EV)/Hybrid EV (HEV) with the Incorporation of POA-FSO Strategy	Journal of Circuits Systems and Computers		FEB 2024			https://doi.org/10.1142/S0218126624501998	SCIE
8.	Krishnakumar, V., Anbarasan, P., Venmathi, M., Pradeep, J.	Recent challenges and reviews on sensorless, PWM techniques and controller possibilities of permanent magnet motors for electric vehicle applications	International Journal of Ambient Energy		JAN 2024	45(1),2281 613		https://doi.org/10.1080/01430750.2023.2281613	SCOPUS
9.	Madhanakkumar, N Vijayaragavan, M Krishnakumar, V Palanisamy, K	Optimal battery-swapping mechanism for electric vehicles using hybrid approach	Clean Technologies and Environmental Policy		FEB 2024	26(2),351- 365		https://doi.org/10.1007/s10098-023-02632-x	SCIE
10.	Venkatesh Kumar C,Abhay Chaturvedi,Arvin Tony A,P. V. V. S. SrinivasORCID Icon,P. S. Ranjit,Ravi Rastogi,M. R. Arun &A. Rajaram	AI-IOT-Based Adaptive Control Techniques for Electric Vehicles	Electric Power Components and Systems - Taylor & Francis		JAN 2024			https://doi.org/10.1080/015325008.2024.2304685	SCIE
11.	A. Santhi Mary Antony, Jayarama Pradeep, Sri Harsha Arigela,	Energy Storage Systems Using Renewable Energy	International journal of renewable energy research		March, 2024	14(1)	pp.16 6-175	https://www.ijrer.org/ijrer/index.php/ijrer/article/view/14276/pdf	SCIE

Rajesh T, P. Elangovan, M Ramprasad Reddy, Sivasankar G A, Dr. A. Rajaram	for Systems With Grid Integration							
---	--------------------------------------	--	--	--	--	--	--	--

JAN – MAY 2024: NATIONAL & INTERNATIONAL CONFERENCE

INTERNATIONAL CONFERENCE							
S.No	Author(s)	Month & Year	Title	Name of the Conference	Venue	Page No & DOI	Scopus/ WOS
1.							

*As on 12/09/2023

HOD/EEE