



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR:2022-2023

JUNE – DEC 2022-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.	Anbarasan. P, Krishnakumar. V, Suresh M Hitesh Panchal	Adaptive Harmonic Abatement in Reduced Switched Three Phase Multilevel Inverter Topology Using Particle Swarm Optimization and Artificial Neural Network	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	1556-7230	June 2022	44(2)	pp.54 55– 5472	https://doi.org/10.1080/15567036.2022.2089299	SCIE
2.	J Maalmurugan A Egbert Selvin Rose Anbarasan. P	Biomedical and Electronic Tune-ups of 2C4NA Nanocrystalline Sample	Nanovaccinology as Targeted Therapeutics	Scrivener Publishing , Wiley	June 2022	(1)	pp.13 1-143	https://doi.org/10.1002/9781119858041.ch7	BOOK CHAPTER
3.	P. Anbarasan, Venmathi, M. Vijayaragavan, V.Krishnakumar	Performance Enhancement of Grid Integrated Photovoltaic System Using Luo Converter	IEEE Canadian Journal of Electrical and Computer Engineering	2694-1783	August 2022	45(2)	pp.29 3-302	https://doi.org/10.1109/ICJECE.2022.3178696	SCIE
4.	Velmurugan Palani S.P. Vedavalli , Vasan Prabhu Veeramani S. Sridharan	Optimal operation of residential energy Hubs include Hybrid electric vehicle & Heat storage system by considering uncertainties of electricity price and renewable energy	Energy	0360-5442	August 2022			https://doi.org/10.1016/j.energy.2022.124952	SCIE
5.	R.Indhumathi T.V.Narmadha Harrisonkurunathan	Hybrid pixel based method for multimodal image fusion based on Integration of Pulse Coupled Neural Network (PCNN) and	Microprocessors and Microsystems	0141-9331.	October 2022	94	2022	https://doi.org/10.1016/j.micpro.2022.104665	SCIE

		Genetic Algorithm (GA) using Empirical Mode Decomposition (EMD)							
6.	P.Justin Raj V.Vasan Prabhu V.Krishnakumar	Optimal Battery Management System Utilized in Electric Vehicle Using Fuzzy Logic Controller (FLC) and Artificial Eco-System Algorithm (AEO)	Cybernetics and Systems	Online ISSN: 1087-6553	Nov 2022			https://doi.org/10.1080/01969722.2022.2137641	SCIE
7.	V.Krishnakumar P. Anbarasan M.Ramash Kumar M. Venmathi	Novel switched configuration based multilevel inverter topology for industrial applications	Hindawi-Journal of Electrical and Computer Engineering	Article ID 8743334,	Nov 2022	Volume 2022	12 pages	https://doi.org/10.1155/2022/8743334	ESCI
8.	M.Vijayaragavan V.Krishnakumar V.Vasanprabhu	Energy management approach in electric vehicle with optimizing electricity consumption cost using hybrid method	Energy and Environment	0958305X	Nov 2022			https://doi.org/10.1177/0958305X221135020	SSCI

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INTERNATIONAL CONFERENCE							
S.No	Author(s)	Month & Year	Title	Name of the Conference	Venue	Page No	Scopus
1.	Jayarama Pradeep, Sanda Sri Harsha, R. Jenin Prabhu, K Subramani, G. Mahendran, T. Selvaganapathi	10-12 November 2022	Comparison of SOH Prediction ML Technique for Electric Vehicles	2022 Sixth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	IEEE XPLORE, Dharan, Nepal		10.1109/I-SMAC55078.2022.9987283 (Dec 2022)
2.	P.Aruna, Dr.V.Vasanprabhu, Dr.K.Krishnakumar Dr.P.Velmurugan	16-17 December 2022	Review on Lithium Ion Battery Modelling Techniques For Electric Vehicle Applications	International Conference on Communication, Devices and Networking (ICCDN 2022)	Sikkim Manipal Institute of Technology, Majhitar		BOOK CHAPTER/ SCOPUS
3.	Aruna, P (Aruna, P.) ; Vasanprabhu, V (Vasanprabhu, V.) ; Krishnakumar, V (Krishnakumar, V)	NOV 25-27, 2022	Mathematical Modeling of Lithium-Ion Cell and its Parameter Optimization Using Cuckoo Search Algorithm	2022 IEEE 10 TH Power INDIA International Conference, PIICON	Natl Inst Technol, New Delhi, INDIA		WOS



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S.No	Author(s)	Title	Journal name	Journal ISSN No	Year & Month	Vol no.	Page no	DOI	Database (WOS/ Scopus/ SCI / SCIE/ UGC)
1.	C.N.Gnanaprakasam S.Meena M.Nivethitha Devi N.Shanmugasundaram S.Sridharan	Robust energy management technique for plug-in hybrid electric vehicle with traffic condition identification	Applied Soft Computing	1568-4946	Jan 2023	Volume 133, Jan 2023, 109937		https://doi.org/10.1016/j.asoc.2022.109937	SCIE
2.	P.Aruna V.Vasan Prabhu V.Krishnakumar	Investigation on physics-based models of lithium ion batteries in Electric vehicle applications:A Review	Springer-Lecture notes on Electrical Engineering	1876-1100	Jan 2023	LNEE,volume 973	pp 33–46	https://link.springer.com/chapter/10.1007/978-981-19-7728-2_3	BOOK CHAPTER
3.	Savitha Venkatesan, Booma Nagarajan Venmathi Mahendran	Fast response NLC controller for high gain QRC in wind connected DCMG with reduced steady-state error	International Journal of Electronics	00207217, 13623060	May 2023	Online Published		tandfonline.com/doi/abs/10.1080/00207217.2023.2210304	SCIE
4.	Ramachandran, Niraimathi, Murugan, Shanthi; Vinayagam, Chamundeeswari Balachandran, Praveen Kumar	Real-Time Implementation of a Seven-Level Multilevel DC Link Inverter for Solar PV System during Partial Shading	Electric Power Components and Systems	1532-5008	May 2023	51(12)	pp.1-10	DOI 10.1080/15325008.2023.2207177	SCIE

5.	Mary, V. Birunda, Narmadha, TV	Optimization of Integrated Hybrid Systems Using Model Predictive Controller	Electric Power Components and Systems	1532-5008	May 2023	Online Published		DOI 10.1080/15325008.2023.2218366	SCIE
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INTERNATIONAL CONFERENCE							
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1.	Gideon Santhosh Alexander, Abishek Ayyappan Mr.C.Venkaresh kumar	Jan 2023	Transformer health monitoring using IoT	International conference on Digital Archiving and Presentation on Cultural Heritage of India	AMET University		
2.	Mohamed aashik , Abishlal n, Abinayaa sri , Jenin Benedict, Jayarama Pradeep	Feb 2023	Smart energy management and load monitoring of individual loads	E3S Web of conferences	Chennai	https://doi.org/10.1051/e3sconf/202340502013	SCOPUS
3.	Sruthi.V M Romy Jenit Xavier Jeya Singh , Anbarasan P	March 2023	Modeling and analysis of hybrid photovoltaic based dc bus system for EV applications.	9 th International conference on Electrical Energy systems - 2023	ICEES 2023,Sri Sivasubramaniya Nadar College of Engineering	10.1109/ICEES57979.2023.10110083	WOS
4.	Rishab S K , Umesh prabhu H	March 2023	Mechatronic puppet based robotic hand system for life saving application	9 th International conference on Electrical Energy systems - 2023	ICEES 2023,Sri Sivasubramaniya Nadar College of Engineering	10.1109/ICEES57979.2023.10110179	WOS
5.	Manisha N, Nazrin M, Maria Shirley V Chamundeeswari	March 2023	Photo voltaic(PV) based electric vehicle (EV) charging using zeta converter	9 th International conference on Electrical Energy systems - 2023	ICEES 2023,Sri Sivasubramaniya Nadar College of Engineering	10.1109/ICEES57979.2023.10110297	WOS

6.	Abhinavsan, Velmurugan P, Sridharan S	March 2023	Analysis of zeta converter based hybrid energy storage system for v2g integration	9 th International conference on Electrical Energy systems - 2023	ICEES 2023,Sri Sivasubramaniya Nadar College of Engineering	10.1109/I CEES579 79.2023.1 0110125	WOS
7.	Jayavarshini V, Hema apsara A, Nirmala R G	March 2023	A novel integrated three port bidirectional dc to dc converter for energy storage systems in EV'S	9 th International conference on Electrical Energy systems - 2023	ICEES 2023,Sri Sivasubramaniya Nadar College of Engineering	10.1109/I CEES579 79.2023.1 0110157	WOS
8.	Jeyaprakash N, Nivethitha devi M, Vignesh.A, Vignesh.L, Sudhakar T D	March 2023	Detection of real time face mask using convolutional neural network	9 th International conference on Electrical Energy systems - 2023	ICEES 2023,Sri Sivasubramaniya Nadar College of Engineering	10.1109/I CEES579 79.2023.1 0110053	WOS
9.	Thiruvél. Thiruppathi S, Dr. N. Chidambararaj, Mr. K. Aravindhnan,	March 2023	Modern power system operations in effective transmission congestion management via optimal dg capacity using firefly algorithms	9 th International conference on Electrical Energy systems - 2023	ICEES 2023,Sri Sivasubramaniya Nadar College of Engineering	10.1109/I CEES579 79.2023.1 0110274	WOS
10.	Santhosh Chakaravarthy, Venmathi M	March 2023	Analysis of bridgeless converter based charger for automotive applications	9 th International conference on Electrical Energy systems - 2023	ICEES 2023,Sri Sivasubramaniya Nadar College of Engineering	10.1109/I CEES579 79.2023.1 0110249	WOS
11.	Divya Sridhar S	March 2023	Interleaved Luo converter with the integration of buck converter for electric vehicle application	9 th International conference on Electrical Energy systems - 2023	ICEES 2023,Sri Sivasubramaniya Nadar College of Engineering	10.1109/I CEES579 79.2023.1 0110050	WOS
12.	Vinoth kannan.R, Krishnakumar.V, Murugan. M	March 2023	A novel multilevel h-6 inverter with twin voltage generation modules for medium power applications	9 th International conference on Electrical Energy systems - 2023	ICEES 2023,Sri Sivasubramaniya Nadar College of Engineering	DOI: 10. 1109/ICE ES57979. 2023.101 10216	WOS
13.	V.Chamundeeswari T H Arisudan	April 2023	A Comparative study analysis of various solar cell materials and its characteristics.	International conference on Smart system technologies and Applications(ICSSTA'2023)	Vel Tech Rangarajan Dr.Sakunthala R&D institute of science and technology		WOS

*As on 08/09/2023

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