



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
Post Box No. 14, Kadiri Road, Angallu (V), Madanapalle-517325, Annamayya District, Andhra Pradesh,
India
(UGC Autonomous)



2023-24 Publication Numbers and Types

Academic Year	SCI Journals	Scopus Journals	Scopus Conference Proceedings	Book chapters/ Books	Total No. of Publications
2023-24	4	9	15	3	31

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2023-24 SCI Publication List

S.No	Author	Co-authors	Title of the Paper/book/book chapter	DOI	Impact Factor	Publisher	Citations
1	C. H. Srinivas	I. Kranthikumar, T. Vamsee Kiran, P. Pradeep, V. Balamurugan	A novel hybrid approach for efficient energy management in battery and supercapacitor-based hybrid energy storage systems for electric vehicles	https://doi.org/10.1007/s00202-024-02483-9	1.7	SPRINGER	1
2	T.S. Balaji Damodar	P. Anandan, C. Nalini, M. Asha Jerlin, Akila Victor, K. Anusha, R. Jothilakshmi	A mutual certificate-based data privacy scheme for ubiquitous and sustainable computing system users	https://doi.org/10.1016/j.seta.2023.103356	7.1	ELSEVIER	2
3	Gourav Kumar Suman	Suman Yadav, Josep M Guerrero	A novel LF-TLBO-based optimization scheme for islanding detection in microgrids	https://doi.org/10.1007/s00202-024-02512-7	1.7	SPRINGER	1
4	Suman Yadav	Gourav Kumar Suman Ram Krishna Mehta	Enhanced Thermodynamic Modeling of Converter Transformer Influenced by DC Bias	https://doi.org/10.1109/JMCT.2023.3334563	3.9	IEEE XPLORE	1

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2023-24 Scopus Journal Publication List

S.No	Author	Co-authors	Title of the Paper/book/book chapter	DOI	Title of journal	Index	Citations
1	Chodagam Srinivas,	Dr. M. Rama Prasad Reddy, Bireddi Eswararao, Rajendraprasad Kuriti and Dr. M. Koteswara Rao	Addressing Power Loss and Voltage Profile Issues in Electrical Distribution Systems: A Novel Approach Using Polar Bear Gradient-Based Optimization	https://doi.org/10.37391/IJEER.110323	International Journal of Electrical and Electronics Research (IJEER)	Scopus	2
2	Dr. V. B. Thurai Raaj	R. Jayaprakash, A V Pavan Kumar	Supplementary for waste Heat Recovery in Electrical Power Generation	https://ijritec.org/index.php/ijritec/article/view/10181	International Journal on Recent and Innovation Trends in Computing and Communication	Scopus	0
3	K. Lakshmi Khandan	NMG Kumar, Umamaheswari Krishnasami, K. Kirubakaran, K. Vinoth, S. Kaliappan, Lakshmana Phaneendra Maguluri, Dr. A. Rajaram	Enhanced Predictive Model for Grid Stability Using Hybrid GBM-LSTM Approach	https://doi.org/10.20508/ijrer.v14i1.14591.g8880	International Journal of Renewable Energy Research,	Scopus	0

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4	Dr. Arapirala Venkata Pavan Kumar	Balamurali Krishna Ponukumati, Anil Kumar Behera, Lipsa Subhadarshini, Manoj Kumar Maharana.	Unbalanced Distribution Network Cross Country Fault Diagnosis Method with Emphasis on High-Impedance Fault Syndrome	https://doi.org/10.48084/etasr.6917	Engineering, Technology and Applied Science Research	Scopus	1
5	K. Lakshmi khandan	T. murali krishna, s. swetha, v. renuka, g. padmapriya, harshal patil, nellore manoj kumar	Green horizons sustainable practices in data centre networking for environmental conservation	https://scibulcom.net/en/article/lbaYrBL3mm7SJNEhOqvT	Journal of Environmental Protection and Ecology.	Scopus	0
6	Chodagam Srinivas	N Madhusudhan Reddy*, Dr. T. Vamsee Kiran, I Kranthi Kumar, Karri Ravikumar Reddy, and K Divya	Optimizing Capacitor Placement in Distribution Systems Under Variable Loading Conditions with Golden Jack Optimization (GJO)	https://doi.org/10.37391/IJEER.120202	International Journal of Electrical and Electronics Research (IJEER).	Scopus	0
7	Dr. V. B Thurai Raaj	Y. Reddy Kumari P. Divyasree O. Kathyayini V. Sireesha	Enhancing Grid-Integrated Renewable Energy Systems: Modelling and Performance Evaluation of Wind-PV-BESS Hybrid Power with PMSG Extension	https://www.propulsionsjournal.com/index.php/journal/article/view/6272	Tuijin Jishu Journal of Propulsion Technology.	Scopus	0
8	Ejjirotu Raghu Babu	Jangama Preethi, Ramanna Gari, Nandini, Nagasamudram Yavanika Sai, V R Kavya	Enhanced Grid-Connected Electric Vehicle Charging Station: Integration of MultiRenewable Sources with Fuel Cell and Battery for Improved SOC and Time Efficiency	https://doi.org/10.52783/tjjpt.v45.i02.6473	Tuijin Jishu Journal of Propulsion Technology	Scopus	0
9	Bondu Vijayakumar	Rajesh K S A V Pavan Kumar, Yanumula Ramanjaneyulu4	Optimizing Battery Charging with A Photovoltaic-Driven DC-DC Boost Converter System	https://migrationletters.com/index.php/ml/article/view/8813	Migration Letters	Scopus	0

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