



Faculty Publications

FACULTY JOURNAL PUBLICATION

YEAR	SCIE	SCOPUS	OTHERS	TOTAL
2023-2024	4	9	10	23
2022-2023	4	11	10	25
2021-2022	1	2	4	7
2020-2021	1	2	-	3



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Journal Publication

2020-21/EEE

S. No	Faculty	Publishers	Paper Title	DOI	Indexed
1	C. Siva Pragash	Springer	Analysis on energy consumption in smart grid WSN using path operator calculus centrality based HSA-PSO algorithm	10.1007/s00500-019-04580-5	SCI
2	J. Mahil	TEST	Assist Devices for Heart and Pulmonary Inflammatory Patients using Real-Time Wireless Network Systems	-	SCOPUS
3	J. Mahil	TEST	Effective approach of learning based classifiers for skin cancer diagnosis from dermoscopy images	-	SCOPUS

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**Faculty Journal Publication****2021-22/EEE**

S. No	Faculty	Publishers	Paper Title	DOI	Indexed
1	C. Siva Pragash	Elsevier BV	Artificial neural network-based psychological assessment model for predicting the mental health problem in children facing psychological abuse and depression	https://doi.org/10.1016/j.avb.2021.101711	SCI
2	Venkatesh Yepuri	Elsevier	Prohibition of infrared electromagnetic waves through optical coatings on plain glasses	https://doi.org/10.1016/j.matpr.2020.11.857	SCOPUS
3	MadhuValavala	IEEE	Multi-Objective Optimal Siting & Location Of Multiple Dgs In Distribution Network Using Biogeography Based Optimization (BBO)	10.1109/TEMSMET53515.2021.9768768	SCOPUS
4	MadhuValavala	IJAPE	Optimal placement and sizing of distributed generation for loss minimization using ABC Optimization	http://doi.org/10.11591/ijape.v10.i4.pp347-354	SCOPUS
5	Satya Narayana Addala	IJME	Enhancing the Power related issues in Grid connected PV system Using Bat Algorithm	https://kalaharijournals.com/resources/DEC_535.pdf	SCOPUS
6	MadhuValavala	IEEE	Machine learning based Energy management system for better optimisation of power in electric vehicles	10.1109/ICECA52323.2021.9675967	SCOPUS
7	MadhuValavala	NEUROQUANTOLOGY	IBBO for Optimal size and location of Distributed Generation in Radial Distributed Network	10.48047/NQ.2022.20.11.NQ66895	SCOPUS



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2022-23/EEE

S. No	Faculty	Publishers	Paper Title	DOI	Indexed
1	C. Siva Pragash	IET	Blockchain Technology for Smart Grids Implementation, management and security	10.1049/PBPO 211E	SCI
2	VenkateshYepu ri	Elsevier	Sol-gel spin coating of dielectric reflector for energy harvesting and heat shielding applications	10.17586/222 0-8054-2022- 13-4-464-467	SCI
3	VenkateshYepu ri	Elsevier	Engineering of Ultra-Violet reflectors by varying alternate layers of Titania/Silica for harmful UV-protection	10.48129/kjs. 16633	SCI
4	Y. Venkatesh	Nanosystem s	Performance enhancement of triboelectric nanogenerator using iodine doped PVDF	10.17586/222 0-8054-2023- 14-1-69-73	SCI
5	C. Siva Pragash	IET	Secured energy-efficient routing protocol with game-based fuzzy Q-learning approach for smart grid systems	10.1049/PBPO 211E	SCOPUS
6	Addala Satyanarayana	IJITEE	An Optimal Allocation of losses and size in Power System Network with Dispersed Generation	10.35940/ijitee .B1032.1292S 319	SCOPUS
7	Addala Satyanarayana	IEEE	Mitigation of PQP in Distributed Generation using CPD's	10.1109/INCO FT55651.2022. 10094476	SCOPUS
8	VenkateshYepu ri , BandaruBhargav Santosh	Springer	Inexpensive Fabrication of Visible Dielectric Reflector for Improving the Performance of Visible Light Communication	https://doi.org /10.1007/978- 981-99-4685- 3_4	SCOPUS
9	VenkateshYepu ri	Elsevier	The role of photonic and plasmonic modes in ultrathin amorphous silicon solar cells using finite difference time domain method	https://doi.org /10.1016/j.ma tpr.2022.04.99 3	SCOPUS
10	VenkateshYepu ri , Addala Satyanarayana	Elsevier	Economical construction of spin coater for the fabrication of dielectric reflectors	https://doi.org /10.1016/j.ma tpr.2022.12.17 0	SCOPUS
11	Y. Venkatesh	Elsevier	Inexpensive hydrophobic and infrared reflective coatings on the cotton and silk fabrics using sol-gel dip coating technique	https://doi.org /10.1016/j.ma tpr.2023.06.04 2	SCOPUS
12	Y. Venkatesh , Addala Satyanarayana, nlavanya	Elsevier	Reflectance investigation on dielectric reflectors using ethanol, methanol, and isopropanol as solvent in the synthesis process	https://doi.org /10.1016/j.ma tpr.2022.12.24 2	SCOPUS
13	Y. Venkatesh	Elsevier	Synthesis of Silver oxide nanoparticles using gomutra mediations and their investigations on antioxidant property	https://doi.org /10.1016/j.ma tpr.2023.06.08 6	SCOPUS
14	P. Ramachandra murthy	Journal of Nano and Electronic Physics	Sol-gel synthesis of titania nanoparticles for photonic and transformer applications	https://doi.org /10.21272/jne p.15(3).03025	SCOPUS
15	MadhuValavala	SSRN	Optimal Location and Rating of Dg with Improved Bio-Geography for Loss Minimization in Distributed Networks	10.2139/ssrn. 4180731	SCOPUS



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S. No	Faculty	Publishers	Paper Title	DOI	Indexed
1	VenkateshYepuri , Addala Satyanarayana	Elsevier	A novel methodology in fabricating dielectric reflectors for the desired wavelength spectrum using sol-gel spin coating technique	https://doi.org/10.1016/j.optmat.2023.114770	SCI
2	Y. Venkatesh , K.K.D. Bhavani	Elsevier	Development of maintenance-free coatings using composite titania and silica	https://doi.org/10.1016/j.jer.2023.100037	SCI
3	Y. Venkatesh	Elsevier	Transparent dielectric TiO ₂ /SiO ₂ coatings for thermal shielding and self-cleaning applications	10.48129/kjs.17787	SCI
4	VenkateshYepuri , Addala Satyanarayana	Elsevier	Construction of Economical Dip-Coater for the Fabrication of Hydrophobic Coatings	https://doi.org/10.48129/kjs.20811	SCI
5	Y. Venkatesh	Elsevier	Cost effective production of radiation shielding coatings using multilayers of titania and silica	https://doi.org/10.1016/j.ris.2023.100559	SCOPUS
6	Y. Venkatesh , K.K.D. Bhavani	Springer	Fault Classification and Its Identification in Overhead Transmission Lines Using Artificial Neural Networks	10.1007/978-981-99-6690-5_29	SCOPUS
7	VenkateshYepuri,P Yanna Reddy	Springer	Synthesis of Titania Nanoparticles and Assessment of Antioxidant Activity	10.1007/978-981-99-4878-9_2	SCOPUS
8	Addala Satyanarayana	IEEE	Power Quality Enrichment in Fuel Cell Distribution Generation Integrated with CPD's	10.1109/BHARAT53139.2022.00016.	SCOPUS
9	Y. Venkatesh	Elsevier	Synthesis of Silver oxide nanoparticles using gomutra mediations and their investigations on antioxidant property	https://doi.org/10.1016/j.matpr.2023.06.086	SCOPUS
10	VenkateshYepuri , BandaruBhargav Santosh	Springer	Inexpensive Fabrication of Visible Dielectric Reflector for Improving the Performance of Visible Light Communication	https://doi.org/10.1007/978-981-99-4685-3_4	SCOPUS
11	MadhuValavala	IEEE	Machine learning based Energy management system for better optimisation of power in electric vehicles	10.1109/ICEA52323.2021.9675967.	SCOPUS
12	MadhuValavala	NEUROQUANTOLOGY	IBBO for Optimal size and location of Distributed Generation in Radial Distributed Network	10.48047/NQ.2022.20.11.NQ66895	SCOPUS
13	P Yanna Reddy	System science and control engineering	Hybrid AC/DC control techniques with improved harmonic conditions using DBN based fuzzy controller and compensator modules	https://doi.org/10.1080/21642583.2023.2188406	SCOPUS