



FACULTY OF ENGINEERING AND TECHNOLOGY (EXCLUSIVELY FOR WOMEN)

PUBLICATION DETAILS

Publication Details 2023-24

SI No	Title of Paper	Name of the author	Name of Journal	Year of Publication	ISSN number/DOI
1	Development and comparative study of Advanced Distributed Electronic Control system for Robotic Application	Dr Sushma J Patil	IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS)	2023-24	
2	Cooperative Communication By Using Cognitive Radio Networks	Geeta Kamlapur	IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS)	2023-24	
3	Control Strategies and Converter Configurations in EV application	Amruta	IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS)	2023-24	10.1109/ICIICS59993.2023.10421112
4	Study of Topologies,	Poornima Smita	IEEE International	2023-24	10.1109/ICIICS59993.2023.10421409

	Power Converters, and Control Techniques for the Dynamic Voltage Restorer (DVR)		Conference on Integrated Intelligence and Communication Systems (ICIICS)		
5	A weighed KNN Model for identification of medicinal plant species	Dr. M. Sasikala	Multimedia Tools and Applications	2023-24	https://doi.org/10.1007/s1042-023-15931-8
6	Modeling and Simulation of Bldc motor for electric tractor application	Ashwini Yenegur Dr.M.sasikala	IEEE International conference on Networks, Multimedia and information technology	2023-24	10.1109/NMITCON58196.2023.10276267
7	A traffic load analysis model using optical flow and boosting classifier	Dr. M. Sasikala	Multimedia Tools and Applications	2023-24	doi.org/10.1007/s11042-023-14878-0
8	Custom administering attention module for segmentation of magnetic resonance imaging of the brain	Dr. M. Sasikala	International Journal of Reconfigurable and Embedded Systems (IJRES)	2023-24	2089-4864
9	Design and fabrication of miniaturized DC-DC converter on silicon substrate	Dr. M. Sasikala	Materials Today: Proceedings	2023-24	doi.org/10.1016/j.matpr.2023.02.308
10	Direct torque control and dynamic performance of induction motor using fractional order fuzzy logic controller	Geeta K	IJECE	2023-24	2088-8708
11	Accurate plant species analysis for plant	Dr.M.Sasikala	IJRES	2023-24	2089-4864

	classification using convolutional network architecture				
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Publication Details 2022-23

Sl No	Title of Paper	Name of the author	Name of Journal	Year of Publication	ISSN number
1	Multi class plant classification based on convolutional Neural network architecture for accurate plant species detection	Dr M Sasikala	Advanced Engineering sciences	2022-23	2096-3246 volume 54 issue 03
2	FOPI and FOFL controller based UPQC for mitigation of power quality problems in distribution power system	Dr. M. Sasikala	Journal Of Electrical Engineering And Technology	2022-23	DOI: 10.1007/s42835-022-00996-6
3	A novel neuro fuzzy method DTC of Induction Motor Drive for efficient torque response	Dr. M. Sasikala	International conference for Emerging Technology	2022-23	10.1109/INCET54531.2022.9824324
4	A single phase AC-AC converter with	Dr.Geeta K	International Conference on	2022-23	10.1109/PARC52418.2022.9726633

	extinction angle control for single phase AC Motor		Power Electronics & IoT Applications in Renewable Energy and Its Control		
5	Microwave absorption(return loss) property study on cadmium oxide(CdO) doped polyaniline composite	Dr. M. Sasikala	Journal Of Emerging Technologies And Innovative Research(JETIR)	2022-23	2349-5162

Publication Details 2021-22

Sl No	Title of Paper	Name of the author	Name of Journal	Year of Publication	ISSN number
1	Similarity Checking of Keypoints for Identification of Copy-Move Forgery (SCK-ICMF)	Dr.M.Sasikala	Turkish Journal of Electrical Engineering & Computer Sciences	2021-22	ISSN: 1735-188X
2	Tracing of identical key points for recognition of Copy Move Forgery	Dr.M.Sasikala	Turkish Journal of Electrical Engineering & Computer Sciences	2021-22	ISSN: 1735-188X
3	Mathematical modeling and Analysis of demand response using	Dr.M.Sasikala	IEEE Xplore	2021-22	

	distributed algorithm in distribution power system				
4	Model Predictive Torque Control-Based Torque Ripple Reduction for Induction Motor Drive	Geeta K	GRADIVA REVIEW JOURNAL,UGC CARE-II	2021-22	ISSN NO:0363-8057, Volume7 Issue 8, 2021
5	A carrier Space vector pulse width modulation based direct torque control of three phase induction motor	Geeta K	GRADIVA REVIEW JOURNAL,UGC CARE-II,ISSN NO:0363-8057, Volume7 Issue 8, 2021	2021-22	
6	Torque ripple reduction using model predictive torque control method for induction motor drive	Geeta K	Strad Research, UGC-CAREII, https://doi.org/10.37896/sr8.9/0 23, ISSN: 0039- 2049, Volume 8, Issue9, 2021	2021-22	ISSN: 0039- 2049, Volume 8, Issue9, 2021
7	A single phase AC-AC converter with extinction angle control for single phase AC Motor	Geeta K	IEEE Scopus indexed International conference on power electronics and IoT applications in Renewable Energy and	2021-22	978-1-6654- 3215-3/22/\$31.00©2022IEEE, Jan 21- 22, 2022.

			its control		
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Publication Details 2020-21

SI No	Title of Paper	Name of the author	Name of Journal	Year of Publication	ISSN number/DOI
1	Fuzzy -PI controlled cascade H-Bridge Inverter Fed Single Phase Induction Motor Drive	Sushma J Patil	International Journal Of scientific and Technology Research volume 9, Issue 4,2020	2020-21	2277-8616
2	A Nine -Level Switched Capacitor Type Inverter with Boosting Ability	Sushma J Patil	International Journal of Information Technology and Electrical Engineering,vol 9,issue 3,2020	2020-21	2306-708X
3	A Switched Capacitor Multilevel Inverter with Voltage Boosting Ability	Sushma J Patil	IEEE Distributed Computing,VLSI , Electrical Circuits and Robotics(DISCO VER)	2020-21	978-1- 7281-9885- 9/20/\$31.00 2020IEEE
4	Proportional Resonant Controller For Semi Converter Three Phase VSI	Geeta K	IEEE, Scopus Indexed, International Conference on Power Electronics	2020-21	,978-1-7281- 6575- 2/20/\$31.00©2020IEEE, Feb 28- 29, 2020.

	Fed Induction Motor Drive to Enhance Time Response		& IoT Applications in Renewable Energy and Its Control		
5	Survey on traffic assessment using image processing and fuzzu logic	Dr. .M.Sasikala	JETIR	2020-21	ISSN-2349-5162
6	Comprehensive study of medicinal plant classification using Artificial intelligent techniques	Dr. .M.Sasikala	JETIR	2020-21	2349-5162
7	Real time Traffic Assesment using Image Processing	Dr. .M.Sasikala	IEEE pune section International Conference	2020-21	10.1109/punecon50868.2020.9362387
8	Tumor segmentation using optimize evidential-Means at Brain MRI Images	Dr. .M.Sasikala	International Journal of Innovative technology and Exploring Engineering	2020-21	2278-3075

Publication Details 2019-20

Sl No	Title of Paper	Name of the author	Name of Journal	Year of Publication	ISSN number/DOI
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1	Fractional order PI based UPQC for improvement of power quality in distribution power system	Dr.M.Sasikala	International Journal Of recent Technology And Engineering	2019-20	2277-3878
2	Fractional Order PI based UPQC for improvement of power quality in Distribution power system	Dr.M.Sasikala	IJITEE	2019-20	2278-3075

Publication Details 2018-19

Sl No	Title of Paper	Name of the author	Name of Journal	Year of Publication	ISSN number/DOI
1	Comparison of Control methods for Power Quality Improvement using Dynamic Restorer and Hybrid Active Power filter	DR.M.Sasikala	IOSR Journal Of Electrical And Electronics Engineering(IOS R-JEEE)	2018-19	2320-3331
2	Dynamic Voltage Restores and Hybrid Active Power filter for power quality improvement.	Dr.M.Sasikala	ARPJN Journal Of Engineering And Applied Sciences10.9734/bpl/etert/2	2018-19	1819-6608
3	Adaptive FLC-based	Dr.M.Sasikala	International Journal Of	2018-19	https://doi.org/10.1080/01430750.2020.17222

	UPQC in distribution power systems for power quality problems		Ambient Energy		32
4	A combination of Shunt Hybrid Active power filter and SVC for power quality improvement	Dr.M.Sasikala	Journal Of Microelectronics And Solid State Devices	2018-19	
5	Repetitive controllable for power quality improvement using dynamic voltage restorer and shunt hybrid active power filters	Dr.M.Sasikala	International Journal of Industrial Electronics and Electrical Engineering Vol 6	2018-19	2349-204X
6	Fuzzy based UPQC in a distributed power system for enhancement of power quality	Dr.M.Sasikala	International Journal of Pure and Applied Mathematics	2018-19	689-695
7	Promising Red emission from functionalized polypyrrole/cu ³⁺ nano-composites for photonic applications	Dr.M.Sasikala	Elsevier Journal	2018-19	https://doi.org/10.1016/j.optmat.2018.11.042
8	Synthesis, Characterization and AC Conductivity Studies of polyaniline/NIO	Dr.M.Sasikala	International Journal of Recent Innovation in Engineering and research	2018-19	2456-2084

	Nanocomposites				
9	Microwave Absorption property study on cadmium oxide doped polyaniline composite	Dr.M.Sasikala	Journal of Emerging technologies and Innovative research,vol 5,Issue 6	2018-19	2349-5162
10	Functionalized Polypyrrole/CaTiO ₃ : E u nano composites for morphology and optical studies	Dr.M.Sasikala	Journal of Emerging technologies and Innovative research,vol 5,Issue 6	2018-19	2349-5162

Book/Book chapters published

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
1	DR. M . SASIKALA	Intelligent manufacturing and energy sustainability	UPQC with AI Techniques for Power Quality Improvement	Intelligent manufacturing and energy sustainability	2022	UPQC with AI Techniques for Power Quality Improvement SpringerLink DOI: 10.1007/978-981-16-6482-3_49	A. N. R Reddy et al.(eds), Intelligent Manufacturing and Energy Sustainability, smart Innovation, systems and technologies 265

Patents published

Name of the Teacher	Patent Number	Title of the patent	Year of Award / publish of patent
Prof.Geeta	202341049606	A novel three phase multilevel inverter cascaded by two level and single phase boosted h-bridge inverters	1/9/2023
Prof.Sushma	202241000264	Deep learning for optimization of power and energy management system in hybrid electric vehicle	4/2/2022
Prof.Amruta	202241013877	Air pollution monitoring and notification algorithm using IoT based	25/3/2022
Prof.Geeta	202141007828	Generation of E-bill transaction number using Block Chain	5/3/2021
rof.Savitri	202141056601	Alternative method of recharging optional for electric two and three wheeler	10/12/2021
Prof.Soumya	202131011450	Artificial intelligence based smart detection of lung disease from chest	9/4/2021

Patents Granted

Name of the Teacher	Patent Number	Title of the patent	Year of Award / publish of patent
Prof.Geeta	431809-001	Heat Dissipating power resistor	26/09/2024