

GES's R. H. Sapat college of Engineering Management studies and Research Nashik 422005

Department of Electrical Engineering

Summary of Journal Publications

Sr. No.	Author	Publication Title	Journal Name	Volume issue and page	Month of Publication	Indexed(SCI/SCOUPS/ UGC/WOS/P EER)	DOI	ISSN Number
Academic Year 2024-25								
1	R. Tidke and A. Chowdhury	An experimental analysis of fuzzy logic-sliding mode based IFOC controlled induction motor drive	AIMS Electronics and Electrical Engineering	Volume 8, Issue 3, 340–359.	June	SCOPUS	DOI: 10.3934/electren g.2024016	
2	M. K. Sinha, P. Chouhan, Shrunkhala. S. Halve, P. Mehta , Santosh. S. Raghuwanshi	Design and optimisation of hybrid solar PV energy system for rural areas in the Narmada Valley, India,	International Journal of Ambient Energy	Vol. 45, no.1, 2024	August		SCOUPUS	ISSN: 0143-0750 Online ISSN: 2162-8246
Academic Year 2023-24								
1	Atul S Koshti, Aanchal Verma, Rajesh Arya, Chandrima Roy, Liladhar Arya, Sharat Chandra Choube, Baseem Khan	Tolerable random interruption duration based reliability estimation of stand alone hybrid renewable energy system by network reduction and sequential Monte	IET Generation Transmission and Distribution	2023, pp. 1-12	June	SCI	https://doi.org/10.1049/gtd2.12910	

		Carlo simulation						
2	H. V. Kulkarani , Charan S. , Deepak A. S., Lohit K., Karthik H.R.	Smart Robot for health Assistance	International Journal of Novel Research and Development	2 Volume 8, Issue 7 July 2023 pp 414-417	July	UGC		
3	Dr.D.M. Sonje, Dr. R. Munje	Comprehensive survey on fault detection and classification in three phase induction motors	The ECTI Transactions on Electrical Engineering, Electronics, and Communications		September	SCOPUS		ISSN: 1685-9545
4	Dr.D.M. Sonje, Dr. R. Munje	simultaneous bearing faults detection in three phase induction motor based on feature fusion method and random forest algorithm	Journal of Operation and Automation in Power Engineering		November	SCOPUS	DOI: 10.22098/joape.2024.13044.1987	

5	Shrunkhala S Halve, Atul Koshti, Rajesh Arya	A Sampling Method based on System State Transition for Distribution System Adequacy Assessment using Distributed Distribution System Adequacy Assessment using Distributed	Journal of Operation and Automation in Power Engineering	Vol. 11, No. 4, Dec. 2023, Pages: 249-257	December	SCOPUS	DOI: 10.22098/joape.2023.9939.1701	
Academic Year 2022-23								
1	Shrunkhala S Halve, Rajesh Arya, Atul Koshti	Metaphor-Less RAO-3 and Sine Cosine Algorithm for Optimal Sizing of Distributed Generations of Multiple Types in Radial Distribution System	Electrica	2023; 23(2): 177-191	September	Web of Science & SCOPUS & ESCI	DOI: 10.5152/electrica.2022.22019	
2	Shrunkhala S Halve, Rajesh Arya, Atul Koshti	Locating, Optimal Sizing and Reliability Analysis of Solar Based DGs in Radial Distribution System	Journal of The Institution of Engineers (India): Series B	vol. 104, no. 1, Dec. 2022, pp. 201-213.	October	SCOPUS	doi.org/10.1007/s40031-022-00826-3	
3	R. K. Munje, D. M. Sonje, D. P. Kadam	Control of a Two-Wheeled Inverted Pendulum using Integral Sliding Mode using	International Journal of Mechanical Engineering	Vol. 7 No. 12 December, 2022	December	SCOPUS		ISSN: 0974-5823

		Integral Sliding Mode						
4	M. Chaudhari, A. Chowdhury	Design and performance Analysis of Three phase line start Synchronous Reluctance motor Using Finite element Analysis	U.Porto Journal of Engineering	9:1 (2023)104-121	January	SCOPUS	doi.org/10.24840/2183-6493_009-001_001169	ISSN 2183-6493
5	C S Talele and R V S Ram Krishna	Condition Monitoring of Electric Motor Using MCSA	Journal of Advances in Electrical Drives	Vol. 8, No. 3, pp. 17 – 22	February	PEER		
6	M. Chaudhari, A. Chowdhury	Improved Performance Analysis of Single-phase Line Start Synchronous Reluctance Motor Derived from Induction Motor	International Journal of Engineering	Vol. 35, No. 08, (August 2022) 1641-1650	May	SCOPUS	doi: 10.5829/ije.2022.35.08b.20	
7	D.S.Joshi, M.V.Reddy, Dr D.M.Sonje	Minimization of switching losses with different single phase inverter topologies for on grid solar system	European Chemical Bulletin	Eur. Chem. Bull. 2023, 12(Special Issue 5), 3883 – 3894	june	SCOPUS	DOI: - 10.48047/ecb/2023.12.si5a.0285	

8	Rekha Tidke, Anandita Chowdhury,	“Performance Analysis of Fuzzy logic –Sliding Mode Controlled Induction Motor Drive”,.	International Journal of Electric and Hybrid Vehicle (IJEHV), InderScience Publisher	Vol 15 issue 4. DOI: 10.1504/IJEHV.2023.10057173. (Indexed: Scopus)	January	Scopus	DOI: - 10.48047/ecb/2023.12.si5a.0285	ISSN 1751-4096
Academic Year 2021-22								
1	G.H. Shinde, D.M. Sonje	A consequence of partial shading on the attribute curves of a photovoltaic panel	Global Tranction	Proceedings 2 (2021) 571–578	July	Google Scholar	doi.org/10.1016/j.gltip.2021.08.053	
2	Dr. D.M. Sonje, Y. N. Bangali	Design and analysis of 3phase induction motor using AnsysMaxwell	Journal of Science and Technology	Vol. 06, Special Issue 01, August 2021, pp318-324:	August	Google Scholar	doi.org/10.46243/jst.2021.v6.i04.p318-324	ISSN: 2456-5660
3	A. D. Sonje, Dr. H. Patil, Dr. D. M. Sonje	Bank Note Authentication and classification using advanced machine algorithms	Journal of Science and Technology	Vol. 06, Special Issue 01, August 2021, pp285-290	August	Google Scholar	doi.org/10.46243/jst.2021.v6.i04.p285-290	ISSN: 2456-5660
4	Vittesh Naphade, Vilas Ghate, Gajanan Dhole	Experimental analysis of saturated core fault current limiter performance at different fault inception angles with varying DC bias	International Journal of Electrical Power & Energy Systems	Volume 130, 2021, 106943	September	SCIE	DOI: 10.1016/j.ijepes.2021.106943	
5	M. Chaudhari, A. Chowdhury	New Rotor Design of Direct On-Line Synchronous Reluctance Motor	International Journal of Scientific Research	Vol.7, Issue.11, pp.13-18, November	November	PEER		ISSN: 2454-9312

		for Efficiency Improvement		(2021)				
6	Vittesh Naphade, Vilas Ghate, Gajanan Dhole	Single core configurations of saturated core fault current limiter performance of laboratory test models	International Journal of Electrical and Computer Engineering (IJECE)	Vol. 11, No. 6, pp. 4667-4677	December	SCOPUS	DOI: 10.11591/ijece.v11i6.pp4667-4677	ISSN: 2088-8708
7	Vittesh Naphade, Kiran Naphade, Vilas Ghate	The Saturated Core Fault Current Limiter in Modern Power Systems - A Laboratory Model Test Results	Smart Technologies for Energy, Environment and Sustainable Development (Springer Proceedings in Energy)	Vol. 1, Jan 2022, pp 423-431	January	SCOPUS	DOI: 10.1007/978-981-16-6875-3_34	
8	S.R. Polade Dr. RVS Ramkrishna	IOT based Solar Grid Optimization	Journal of Control and Instrumentation Engineering	Volume-8, Issue-1 (January-April, 2022) pp 20-26	April	PEER		ISSN: 2582-3000
9	D S Bhamare and R V S Ram Krishna	Rectifier Load Analysis for Electric Vehicle Wireless Charging System	International Journal of Scientific Research in Engineering and Management	Vol. 5, No. 7, pp. 01 – 06	April	PEER		ISSN:2582-3930

10	V. R. Naphade, K. V. Naphade, Dr. V. N. Ghate	Saturated Core Fault Current Limiter in Electrical Power Industry: A Topological Survey	Industrial Engineering Journal	Ref: AR/NO/59/2021, Vol. XV & Issue No.05 May - 2022	May	UGC		
11	M. Chaudhari, A. Chowdhury	Design and performance Analysis of Single phase line start Synchronous Reluctance motor derived from single phase induction motor	Taylor & Francis		May	SCOPUS		
12	R. Tidke , A. Chowdhury	Quasi ZSI-Fed Sliding Mode Control-based Indirect Field-Oriented Control of IM Using PI-Fuzzy Logic Speed Controller	Electrica	2022; 22(1): 70-83	June	SCOPUS	DOI: 10.5152/electrica.2021.21081	
Academic Year 2020-21								
1	M. Chaudhari , A. Chowdhury , G. Dhole	Effect of Flux Barrier Shape on Performance of Single-Phase Line Start Synchronous Reluctance Motor Modified from Single Phase Induction Motor	Electrica	2021; 21(3): 322-341	September	SCOPUS	DOI: 10.5152/electrica.2021.20104	EISSN 2619-9831

Academic Year 2019-20								
1	MVReddy, Megha Dokale, Deepak Sonje	Different MPPT Controlling Techniques for Standalone Solar System for Improvement in Power Generation	International Journal of Engineering and Advanced Technology (IJEAT). 2020.	Volume-9 Issue-3, pp 506-510	february	Google Scholar	DOI: 10.35940/ijeat.B 4501.029320	ISSN: 2249- 8958 (Online)
Academic Year 2018-19								
1	L.D. Arya, Atul Koshti	Modified Shuffled Frog-Leaping Optimization Algorithm based Distributed Generation rescheduling for loss minimization	Journal of Institution of Engineers, India: Series- B (Springer edition)	Vol. 99, No. 4, pp 397-405	August	SCOPUS	doi:10.1007/s400 31-018-0334-8	ISSN: 2250- 2106 (print version) ISSN: 2250- 2114
Research Coordinator						HOD		