FACULTY RESEARCH PAPER PUBLICATION

Sl.No	Author(s) Name	Title of Publication	Journal Name	Volume, Issue and page No.	Year of publication	Scopus/ SCI/ UGC
01	Prof.(Dr.)Saroj Kumar Dash	Bell-Shaped Fuzzy Decision Tree: A Novel Approach for Improved Decision Making	IJATEE	Accepted	2025	Scopus
02	Prof.(Dr.)Saroj Kumar Dash	Electromagnetic vector PSO technique for combined economic and emission dispatch	International Journal of Advanced Technology & Engineering Exploration(IJATEE)	12,126,833-853	2025	Scopus
03	Prof.(Dr.)Saroj Kumar Dash	Power control strategy with multiple modalities.	Journal of Nonlinear Analysis and Optimization	15, 2 , 521-532	2024	UGC
04	Prof.(Dr.)Saroj Kumar Dash	A black hole-based strategy for determining the ideal power flow challenges in smart grid involving combined economic and emission objective.	Journal of Nonlinear Analysis and Optimization	15, 2 , 431-448	2024	UGC

| 05 | Prof.(Dr.)Saroj Kumar Dash | Combined economic and Emission dispatch using Black hole optimization Algorithm. | Journal of Nonlinear Analysis and Optimization | 15, 2 , 481-488 | 2024 | UGC | |

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6	Prof.(Dr.)Saroj Kumar Dash	Optimising power of PV module using modified MPPT for standalone load	International Journal of Power Electronics and Drive Systems (IJPEDS)	15,2,1158-1166	2024	Scopus
7	Prof.(Dr.)Saroj Kumar Dash	Improved PSO method for Combined Economic Dispatch using hybrid differential evolution.	JES Journal	20,3,5469-5501	2024	Scopus
8	Prof.(Dr.)Saroj Kumar Dash	Combined Economic & Emission Dispatch Involving AI Techniques Using Anti-Predatory Particle Swarm Optimization	International conference (IEEE) on artificial intelligence and quantum computing (ICAIQC-2024)	GITA Autonomous College, Bhubaneswar	2024	Scopus Conference
9	Prof.(Dr.)Saroj Kumar Dash	Integrated economic dispatch using fuzzy logic based decision trees	International conference (IEEE) on artificial intelligence and quantum computing (ICAIQC-2024)	GITA Autonomous College, Bhubaneswar	2024	Scopus Conference

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10	Prof.Dr.Pradeep Kumar Rautray	Power management strategy in solar electric vehicle.	Journal of Nonlinear Analysis and Optimization	15,2,533-542	2024	UGC
11	Prof.Shiba Kumar Acharya	Impact of IPFC on distance relay performance in dual-circuit transmission lines	Journal of Nonlinear Analysis and Optimization	15,2,480-488	2024	UGC
12	Prof.Shiba Kumar Acharya	Identification of fault and its types in facts compensated transmission lines by the method of wavelet entropy.	Journal of Nonlinear Analysis and Optimization	15,2,469-479	2024	UGC
13	Prof.Chitta Ranjan Behera	Identification of fault and its types in facts compensated transmission lines by the method of wavelet entropy.	Journal of Nonlinear Analysis and Optimization	15,2,469-479	2024	UGC

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14	Prof. Chitta Ranjan Behera	Impact of IPFC on distance relay performance in dual-circuit transmission lines	Journal of Nonlinear Analysis and Optimization	15,2,480-488	2024	UGC
15	Prof. Sahashranshu Das	Coordination in twin circuit protection for under-reach scenarios without residual current contributions	Journal of Nonlinear Analysis and Optimization	15,2,489-497	2024	UGC
16	Prof. Bibhudatta Paikaray	Coordination in twin circuit protection for under-reach scenarios without residual current contributions	Journal of Nonlinear Analysis and Optimization	15,2,489-497	2024	UGC
17	Prof. Bibhudatta Paikaray	Impact of IPFC on distance relay performance in dual-circuit transmission lines	Journal of Nonlinear Analysis and Optimization	15,2,480-488	2024	UGC
18	Prof. Bibhudatta Paikaray	Identification of fault and its types in facts compensated transmission lines by the method of wavelet entropy.	Journal of Nonlinear Analysis and Optimization	15,2,469-479	2024	UGC
19	Prof. Priyadarsini Pradhan	A novel framework for implementing optimal power distribution network planning approaches	International Journal of System Assurance Engineering and Management	15 ,2411-2430	2024	Scopus

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20	Prof Priyadarshini Pradhan	Junction less MOSFET: A review	Journal of Nonlinear Analysis and Optimization	15,2,488-503	2024	UGC
21	Prof Priyadarshini Pradhan	Coordination in twin circuit protection for under-reach scenarios without residual current contributions	Journal of Nonlinear Analysis and Optimization	15,2,489-497	2024	UGC
22	Prof. Rabi Narayan Rout	Electromagnetic based lightning arrestor implementing effects of dissipating points for delaying streamer in air terminals	Journal of Nonlinear Analysis and Optimization	15,2,450-457	2024	UGC
23	Prof.Rabi Narayan Rout	Coordination in twin circuit protection for under-reach scenarios without residual current contributions	Journal of Nonlinear Analysis and Optimization	15,2,489-497	2024	UGC
24	Prof.Atmabhu Das	Photonics-based high sensitivity sensor for investigation of heavy metal in industrial water	Journal of Optics, Springer India	pp.1-9.	2024	Scopus
25	Prof.Atmabhu Das	A novel particle swarm optimization framework for addressing economic emission dispatch with wind energy incorporation	Journal of Nonlinear Analysis and Optimization	449-460	2024	UGC

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26	Prof.Sangram Ranasingh	Derivation of the base current in lightning channels from remote electromagnetic fields, considering inclined channel geometry	Journal of Nonlinear Analysis and Optimization	15,2,498-516	2024	UGC
27	Prof.Saktikant Sahoo	AI Integration in Education and Academic Institutions	Journal of Nonlinear Analysis and Optimization	15,2,461-470	2024	UGC
28	Prof.Bhabani Shankar Minz	Discover artificial intelligence	Journal of Nonlinear Analysis and Optimization	15,2,542-549	2024	UGC
29	Prof. Sangram Keshari Nayak	Understanding of bandgap engineering in a 2D photonic structure for the realization of narrow white light.	Journal of Optics.	pp.1-8	2024	Scopus
30	Prof. Sangram Keshari Nayak	DFIG and SVG control technique working together to control wind power integration point grid voltage	Journal of Nonlinear Analysis and Optimization	15,2,518-541	2024	UGC

31	Prof. Sangram Keshari Nayak	Studies on semiconductor-based long-period fiber grating structure to realize memory application: an alternate of CD, DVD, and B-ray storage devices."	Journal of Optics	pp.1-10.	2024	Scopus

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