

JOURNAL PUBLICATIONS

Sl. No.	Author's Name	Year of Publication	Title	Journal name	Publisher	Volume, Issue, pp	SCI/ SCIE/ ESCI/ Scopus
1	Kaliprasanna Swain	2025	An Explainable Multi-Agent Framework for Real-Time Tree Detection and Canopy Segmentation in Remote-Sensed Imagery	JASTT,	Interdisciplinary Publishing Academia (IPAcademia)	vol. 6, no. 05, pp. 63–75, Dec. 2025, doi: 10.38094/jastt605572	Scopus
2	Kaliprasanna Swain	2025	HSA-CNN: A Hybrid Spectral-Attention Multi-Agent Framework for Explainable Cloud Detection in Multispectral Remote Sensing Imagery	JASTT,	Interdisciplinary Publishing Academia (IPAcademia)	vol. 6, no. 05, pp. 201–221, Dec. 2025, doi: 10.38094/jastt605741	Scopus
3	Kaliprasanna Swain	2025	Performance Evaluation of IPE and IE-Affected Patients Using a Modified PSO and ANFIS	Journal of Mechanics of Continua and Mathematical Sciences	Journal of Mechanics of Continua and Mathematical Sciences	Vol. 20 (6), 0973-8975, https://doi.org/10.26782/jmcms.2025.06.00005	Scopus
4	Kaliprasanna Swain	2025	Enhancing predictive modeling across industries with automated machine learning: applications in insurance and agriculture	Discov Sustain	Springer	6, 167 (2025). https://doi.org/10.1007/s43621-025-00965-9	Scopus

5	Kaliprasanna Swain	2025	An improved atom search optimization algorithm based on ranking strategy and sine cosine algorithm for epileptic seizure detection	Signal, Image and Video Processing	Springer	19, 1315 (2025). https://doi.org/10.1007/s11760-025-04879-x	SCI
6	Kaliprasanna Swain Sumant Kumar Mohapatra	2025	Smart urban transportation: advancing IoT-based thermal management for lithium-ion EV battery packs	Discover Internet Things	Springer	5, 20 (2025). https://doi.org/10.1007/s43926-025-00121-9	Scopus
7	Kaliprasanna Swain	2024	Enhancing Stroke Prediction Using LightGBM With SMOTE-ENN and Fine-Tuning: A Comprehensive Analysis	Cureus J Comput Sci	Springer	1: es44389-024-02268-y. https://doi.org/10.7759/s44389-024-02268-y	UGC
8	Kaliprasanna Swain	2024	Empowering Crop Selection with Ensemble Learning and K-means Clustering: A Modern Agricultural Perspective	The Open Agriculture Journal	Benthem Science, Elsevier	18 (1) 2024, p.1-14, https://doi.org/10.2174/0118743315291367240207093403	Scopus
9	Kaliprasanna Swain Sumant Kumar Mohapatra	2024	A Quasi-Oppositional-Chaotic Atom Search Optimization Algorithm to Detect Epileptic Seizure from EEG Signal Using WPT and ELANFIS Classifier	SN Computer Science, Spriger	Springer	Vol. 6, Issue 2	Scopus

10	Kaliprasanna Swain	2024	Towards Early Intervention: Detecting Parkinson's Disease through Voice Analysis with Machine Learning	The open biomedical Engineering Journal	Benthem Science, Elsevier	Vol. 18, 2024, http://dx.doi.org/10.2174/0118741207294056240322075602	Scopus
11	Kaliprasanna Swain Sumant Kumar Mohapatra	2024	Leveraging Machine Learning and Patient Reviews for Developing a Drug Recommendation System to Reduce Medical Errors	The Open Bioinformatics Journal	Benthem Science, Elsevier	17. 10.2174/0118750362291402240621044046	Scopus
12	Kaliprasanna Swain	2024	Optimization of microstructured fiber's mode distribution for high-speed data transmission	Journal of Optics	Springer	Vol.8. (5),pp.5093-5104	ESCI
13	Kaliprasanna Swain	2024	Optimization of microstructured fiber's mode distribution for high-speed data transmission	Journal of Optics	Springer	https://doi.org/10.1007/s12596-024-01881-3	ESCI
14	Kaliprasanna Swain Sumant Kumar Mohapatra	2024	SH-OSP: A Hybrid Algorithm Using Spotted Hyena Optimizer Enabled with Optimal Stochastic Process for Epileptic Seizure Detection	SN Computer Science	Springer	1. 5, 1162 (2024). https://doi.org/10.1007/s42979-024-03460-6	Scopus
15	Satyanarayan Rath	2024	CIQBCP-MIMO-DRA: CSRR inspired quad band circularly polarized MIMO-DRA for W-LAN, Wi-Max, Wi-Fi (6E) and X-band applications	Frequenz	Springer	Volume-10 Issue-7, PP.565-575	SCI

16	SK Mohammed Ali	2024	Analysis of RF energy harvesting assisted RF/FSO system with SSK modulation in smart city	AEU-International Journal of Electronics and Communications	Elsevier Publication	Volume 176, March 2024, 155157 https://doi.org/10.1016/j.aeue.2024.155157	SCI
17	Satyanarayan Rath	2024	A penta-band CSRR loaded dielectric resonator antenna for X-Band, W-LAN, Wi-Fi 6, and Wi-Max applications	Optical and Quantum Electronics	Springer	<i>Opt Quant Electron</i> 56 , 1374 (2024)	SCIE
18	Millee Panigrahi	2024	Diagnosis of retinal damage using Resnet rescaling and support vector machine (Resnet-RS-SVM): a case study from an Indian hospital	International Ophthalmology	Springer	<i>Int Ophthalmol</i> 44 , 174 (2024). https://doi.org/10.1007/s10792-024-03058-0	SCI
19	Kaliprasanna Swain	2023	Realization of Coronavirus Testing Kit Using a Combination of a Triangular Photonic Crystal (PhC) Structure and a 412 nm Laser Beam	Lasers in Engineering	(Old City Publishing)	<i>Lasers in Engineering</i> , Vol 54, pp 265-276	SCI
20	Millee Panigrahi	2023	An improvised coral reef optimization- based image registration using modified mutual information method	Indonesian Journal of Electrical Engineering and Computer Science	Indonesian Journal of Electrical Engineering and Computer Science.	31. 126. 10.11591/ijeecs.v31.i1.pp126-133.	SCI
21	Sumant Kumar Mohapatra	2023	ESO-ASO: An enhanced search ability based atom search optimization algorithm for epileptic seizure detection	Measurement-sensors	Elsevier Publication	Vol.24 pp.168-183	SCIE

22	Sumant Kumar Mohapatra	2022	Recognition of ocular artifacts in EEG signal through a hybrid optimized scheme	Biomed Research International	Hindwai Publication	Vol. 2022, pp.126-152	SCI
23	Sumant Kumar Mohapatra	2022	Ocular artifacts realization through optimized scheme	Journal of ambient intelligence and humanized computing	Springer Publication	96(4), pp.87-99	Scopus
24	Nibedita Pati	2022	Brain tumour segmentation using SRGB colour space-based density	Oncology and radiotherapy	International Scientific Literature, Inc.	16(7), pp.9-13	Scopus
25	Millee Panigrahi	2022	Brain tumour segmentation using SRGB colour space-based density	Oncology and radiotherapy	International Scientific Literature, Inc.	16(7), pp.9-13	