

Sl. No	Title of article	Authors	Journal and Publisher	Conference	Year of Publication	SCI/Scopus/WOS/UGC Care	ISSN Number	Link to Paper/DOI
1	Food Spoilage Detection System using IOT	Dr Nagaraj R Aiholli		Conference	2025		978-81-973801-0-5	
2	Smart traffic signal automation with dual RFID confirmation for emergency vehicle prioritization	Dr Nagaraj R Aiholli		Conference	2025		978-81-973801-0-5	
3	Autoencoder and GAN-aided plant disease detection in rice and cotton via hybrid feature extraction and decision tree classification	Dr.Jayashri Rudagi	International Journal of Artificial Intelligence		2026	Scopus		http://doi.org/10.11591/ijfai.v15.i1.p707-724
4	A Multi-Stage Deep Learning Model with Fuzzy Logic for Plant Disease Classification in Cotton and Rice	Dr.Jayashri Rudagi	International Journal of Intelligent Engineering and Systems, INASS		2025	Scopus		10.22266/ijes2025.1031.46

5	Advanced Perception and Path Planning for Autonomous Vehicles: A Survey on Deep Learning, Human-Centric Approaches, and Complex Road Navigation	Prof.Basavaraj Chougula		Conference	2026	presented		yet to publish
6	Intelligent system an aid for jaundice detection using deep learning	Dr H P Rajani	Springer Nature		2026			https://doi.org/10.1007/978-3-032-15401-9_6
7	Current Developments in Crop Disease Identification using Computer Vision: A Critical Review of Related Works and Techniques	Dr.Jayashri Rudagi	International Journal of Electronics and Communication Engineering, Seventh sense Research group		2024	scopus	2348-8549	https://doi.org/10.14445/23488549/IJECE-V1119P116
8	Health Monitoring By CNN using 3D Streaming	Prof.Viraj T. Jinagouda			2024	scopus		
9	The smart Fire Exit System	Prof Shivanand Hugar		Conference	2024	scopus		

10	Hybrid deep learning models based 5G and beyond channel estimation for MIMO OFDM Communication systems	Dr Avinash S Joshi	AES		2024	scopus	ISSN:2096-3246	
11	Smart water leakage detection system	Prof Ravi Kalmath		Conference	2024			
12	Analysis of Breast Cancer using IGSR Optimization Algorithm on Mammographic Images	Dr Rajashekhar gouda C. Patil et al.	Computer Research and Development		2024	Scopus	1000-1239	
13	Atrous Convolution -Based Adaptive 3D-CNN Model for Breast Cancer Diagnosis Using Segmentation in Mammogram Images	Dr Rajashekhar gouda C. Patil et al.	Operations Research Forum, Springer		2025	Scopus		https://doi.org/10.1007/s43069-025-00495-0
14	Enhancing sugarcane leaf disease classification using vision transformers over CNNs	Dr Krupa Rasane	Discover artificial intelligence, Discover		2025	Scopus		https://doi.org/10.1007/s44163-025-00340-7

15	Advancements in plant disease detection: A review of computer vision approaches	Dr Krupa Rasane			2025			
16	Channel estimation for MIMO OFDM communication systems using machine learning for 5G applications	Dr Avinash S Joshi			2024	Scopus	1005-0930	
17	Sustainable Agriculture using Artificial Intelligence	Dr.Jayashri Rudagi		National conf.	2023	-		
18	FSRCLP: Fuzzy based secure reliable cross layer protocol for under water acoustic communication	Dr Salma Shahapur et. al.	Wireless personal communications, Springer		2023	Scopus		https://doi.org/10.1007/s11277-023-10259-w

19	Optimal feature selection for covid-19 detection with CT images enabled by metaheuristic optimization and artificial intelligence	Dr Salma Shahapur et. al.	Multimedia tools and applications , Springer		2023	Scopus		https://doi.org/10.1007/s11042-023-15031-7
20	A novel intelligence system for accident prevention, detection, and reporting system for smart city	Dr Salma Shahapur et. al.	Techno Societal, Springer Nature		2023	Scopus		
21	Electronic Shoe to assist visually challenged people	Dr Salma Shahapur et. al.	Techno Societal, Springer Nature		2023	Scopus		https://doi.org/10.1007/978-3-031-34644-6_106
22	Secure Fuzzy Simple Shortest Path Routing Protocol (SF_SSP) for Underwater communication	Dr Salma Shahapur/ Dr H P Rajani et al	Indian Journal of Science and Technology , ISEE		2023	WOS		https://doi.org/10.17485/IJST/v16i44.2009

23	Radio Frequency Energy Harvesting Rectenna System for Ultra-Low Power IoT Sensors	Dr.H.P.Rajani		IEEE Conference Proceedings	2023	IEEE	doi:10.1109/ICCNT56998.202310.308402
24	A Compact Corner Truncated Microstrip Patch Antenna for Radio Frequency Energy Harvesting to Low Power Electronic Devices and Wireless Sensors	Dr.H.P.Rajani	Printed Antennas, Taylor and Francis		2023	Scopus	10.1201/9781003347057
25	Design and Development of C Structured Microstrip Multiband Antenna for Wireless Communication using Fractal Geometry	Prof.Girish Kadakol	IJST, Indian Society for Education & Environment		2023	WoS	https://doi.org/10.17485/IJST/v16i30.119
26	Optimal sum rate for different pre-coding schemes in very large scale MIMO channels	Prof Avinash S Joshi			2023	Scopus	

27	Smart traffic control system	Dr Avinash S Joshi		Conference	2023			
28	Conductor-less ticketing system	Dr Avinash S Joshi		Conference	2023			
29	IoT based Real Time Patient Surveillance	Dr Rajashekhar Gouda C. Patil et al.		Conference	2023	Scopus		
30	Facile synthesis of ZnO/CuO/Eu Heterostructure photocatalyst for the Degradation of Industrial Effluent	Dr Rajashekhar Gouda C. Patil et al.	Arabian Journal of Chemistry, Elsevier		2023			https://doi.org/10.1016/j.arabje.2023.104547
31	An Advanced Approach to Inspect the Influence of Dataset Size on the Enactment of Datamining Processes	Dr Rajashekhar Gouda C. Patil et al.	ISAE, IJISAE		2023	Scopus	ISSN:2147-6799	
32	A green approach for the degradation of toxic textile dyes by nickel oxide (NiO-SD) NPs: Photocatalytic and kinetic approach	Dr Rajashekhar Gouda C. Patil et al.	Journal of King Saud University Science, Elsevier		2023			https://doi.org/10.1016/j.jksus.2023.1012784

33	Machine Learning Applied To Plant Disease Detection	Prof Basavaraj Chougala/Prof Vinayakumar R Bagali		Conference	2023	Scopus	doi:10.1109/iccts59-48.2022.10040390
34	Plant Leaf Disease Detection using Computer Vision and Machine Learning Algorithms,	Dr.Jayashri Rudagi	Global Transitions Proceedings, Science Direct		2022	Scopus	https://doi.org/10.1016/j.gltp.2022.03.016
35	Automated Defence Surveillance Using Tranquilizer	Prof Salma Shahahpur et al.	IEEE Xplore	Conference	2022	Scopus	https://doi.org/10.1109/ICCCMLA56841.2022.9989050
36	Impact Of Global Warming On Endangered Species Using Data Science	Prof Salma Shahahpur et al.	IEEE Xplore	Conference	2022	Scopus	https://doi.org/10.1109/MysuruCon55714.2022.9972378
37	REAL TIME UAV 3D PATH PLANNING USING INTEGRATED PROBABILISTIC PATTERN MODELLING	Dr.Krupa Rasane et al.	AES		2022	Scopus	https://doi.org/10.5281/ZENODO.7479926
38	Shelf Life Prediction of Post Harvested Pomegranate using Enhanced Deep Learning	Dr. Krupa R Rasane	Indian Journal of Computer Science and Engineering		2022	Scopus	https://www.ijcse.com/docs/INDJCSE22-13-06-125.pdf

39	Deep Learning Based Non-Destructive Evaluation of Physiochemical parameters for Post harvested Pomegranate Fruits	Dr.Krupa R Rasane et al.			2022	Scopus	10.21817/indjcse/2022/v13i6/221306133
40	A Deep Learning and Machine Learning Approach for Image Classification of Tempered Images in Digital Forensic Analysis	Dr Praveen Chitti	International Journal of Advanced Computer Science & Applications, The SAI Publishers		2022		
41	Real Time Implementation of Driver drowsiness monitoring system using SVM classifiers	Prof Ashwini Araballi	IJ Engg & Manufacturing, Modern Education and Computer Science Press		2023		doi:10.5815/ijem.2023.03.05
42	A spurious free dual band Microstrip patch antenna for radio frequency energy harvesting	Dr.H.P.Rajani			2022	WoS	

43	A 2.45 GHz high gain radio frequency energy harvesting system in the Internet of Thing applications .	Dr.H.P.Rajani			2023	Scopus		
44	A Tapered Slot Rectangular Ultra-wideband Microstrip Patch Antenna for Radio Frequency Energy Harvesting.	Dr.H.P.Rajani			2023	Scopus		
45	A Compact Microstrip Hexagonal Patch Antenna with a Slotted Ground Plane for RF Energy Harvesting Applications	Dr.H.P.Rajani			2023	Scopus		
46	Data Leakage Detection in Cloud Computing Environment Using Classification Based on Deep Learning Architectures	Dr Rajashekhar gouda C. Patil et al.			2022	Scopus		

47	Sentimental Analysis on Amazon Reviews Using Machine Learning.	Dr Rajashekhar gouda C. Patil et al.		Conference	2022	Scopus	
48	IUS THE GMINE - Gender and Breed Detection of Silk Cocoons	Dr Rajashekhar gouda C. Patil et al.			2022		
49	CANoe Tool usage for Communication Between Automotive Grade Processors	Prof Basavaraj Chougala		Conference	2022	Scopus	doi:10.1109/INCET54531.2022.9824832
50	Multi Doped Pattern Learning Based UAV Path Planning, Neuroquantology	Dr.Krupa R Rasane et al.			2022		10.14704/Nq.2022.20.15.Nq88440
51	A Novel Approach To Real-Time 3d Path Planning For Autonomous Navigation Of Unmanned Aerial Vehicle Obstacles Detection	Dr.Krupa R Rasane et al.			2022		10.14704/Nq.2022.20.15.Nq88440