

Publications

S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	Sasirega D.; Krishnapriya V.	Hybrid Feature Selection with Chaotic Rat Swarm Optimization-Based Convolutional Neural Network for Heart Disease Prediction from Imbalanced Datasets	Data and Metadata, Volume 3	2024	-
2	Dr. D. Padmapriya	Design and Development of Computational Methodologies for Agricultural Informatics	Communications in Computer and Information Science (CCIS), Springer Nature Switzerland AG	2024	Vol. 2121, pp. 321-334; Presented at ICICSD 2023; Edited by S. Satheeskumaran et al.; Scopus Indexed; Focus: Advanced computational methodologies for agricultural informatics; DOI: https://doi.org/10.1007/978-3-031-61287-9_25 ; Chapter Link: https://link.springer.com/chapter/10.1007/978-3-031-61287-9_25 ; Book Link: https://link.springer.com/book/10.1007/978-3-031-61287-9
3	Dr. D. Padmapriya	IoT and Artificial Intelligence Based Smart Agriculture System Using Node MCU	IEEE - 2nd International Conference on Trends in Quantum Computing and Emerging Business Technologies (TQCEBT 2024)	2024	Scopus Indexed; Focus: Integration of IoT and AI for smart agriculture systems; DOI: https://doi.org/10.1109/TQCEBT59414.2024.10545189
4	Dr. Padmapriya Dhandapani	Multi-Channel Multi-Modal Concatenation-based Deep Learning Model for Leaf Infection and Soil Property Prediction	EAI Conference Proceedings - IACIDS 2023	2024	Presented at IACIDS 2023 (23-25 Nov 2023, Lavasa, Pune, India); Published on 7 March 2024; Focus: Deep learning for leaf infection and soil prediction; DOI: http://dx.doi.org/10.4108/eai.23-11-2023.2343199
5	Dr. D. Padmapriya	Leveraging Machine Learning Algorithms for Precise Heart Disease Prediction	Springer Nature Link - Artificial Intelligence Based Smart and Secured Applications (ASCIS 2025)	2026	Part I, Volume; ISSN 1865-0929, ISSN 1865-0937 (electronic); Communications in Computer and Information Science; ISBN 978-3-032-17833-6, ISBN 978-3-032-17834-3 (eBook); DOI: https://doi.org/10.1007/978-3-032-17834-3 ; Pages: 270; Chapter Link: https://link.springer.com/chapter/10.1007/978-3-032-17834-3_20

Conferences

S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	Dr. D. Padmapriya	Neural Pathways to Sustainability: Uncharted AI Innovations and the Quest for Global Transformation	ICAISEG 2025 – Driving Green Innovation, Workforce Skilling, Digital Trade, Transformation and Governance	2025	International Conference Proceedings, First Edition, p. 28
2	Dr. D. Padmapriya	Heart Disease Prediction Using Moth Flame Optimization	ICAISEG 2025 International Conference Proceedings	2025	First Edition, p. 41; Uses MFO algorithm
3	Dr. D. Padmapriya	The Development of Forensic Methods: Using Volatile Memory to Improve Data Recovery	International Conference on Intelligent Automation & Next Generation Innovations (ATNEXGEN'25)	2025	Published in Conference Proceedings
4	Dr. D. Padmapriya	Development of an AI-Based Threat Matrix for Intelligent Mobile Technology Education	International Conference on Computational Intelligence and Interventions in Multidisciplinary Research (ICCIIMR 2024)	2024	AI-based threat matrix for mobile technology security

Patents

S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	Dr. D. Padmapriya	Developing Threat Matrix for Smart Mobile Using Artificial Intelligence in University Devices	Patent Office	2024	Patent No: TEMP/E-1/93321/2024-CHE; Filed: 21 October 2024; Published: 25 October 2024; AI-driven framework for mobile security in academic institutions