



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)

(Deemed to be University)

NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)

NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH,CST), MBA & MCA



2 ZERO
HUNGER



PUBLICATIONS



Scopus



Madanapalle Institute of Technology & Science

Kadiri Road Angallu (Village), Madanapalle, AP, India 60107346

2,908

Documents

1,404

Authors

[Set document alert](#) [Give feedback](#)[Documents](#)[Structure](#)[Collaborators](#)[Sustainable Development Goals](#)

New: See at one glance Sustainable Development Goals mapped to this organisation

Sustainable Development Goals (SDGs) are specific research areas that are helping to solve real-world problems. Elsevier data science teams have built extensive keyword queries, supplemented with machine learning, to map documents to SDGs with very high precision. Times Higher Education (THE) is using Elsevier SDG data mapping as part of its Impact Rankings. [More about SDGs](#) ↗

[← Back](#)

31 documents for **Zero hunger**

Article

Multi-Task Deep Learning Framework for Segmentation and Severity Estimation of Leaf Diseases in Multi-Crop Environments

Geetha Devi, A., Begum, S.S., Kocharla, S., ...Gorikapudi, S., Tirumalasetti, N.R.

***International Journal of Innovative Technology and Interdisciplinary Sciences*, 2026**

Conference Paper

Automated Detection of Tomato Leaf Diseases: A Comprehensive Review and Framework Development Using Machine Learning Techniques

Usha, R., Baskar, R.

***Smart Innovation Systems and Technologies*, 2026**

Article • *Open access*

BetelProNet Framework: Efficient Deep Learning Model for Betel Leaf Disease Detection

Bhaskar, B., Kusuma, S., Prasad, K.A., Naresh, A., Subbaiah, C.V.

***International Research Journal of Multidisciplinary Scope*, 2025**

Article • *Open access*

Internet of Things Integrated Deep-Learning Algorithms Monitoring and Predicting Abnormalities in Agriculture Land

Prabu, S., Krishnamoorthy, N., Praveen Kumar, S., ...Syamala, M., Vidhya, R.G.

***Internet Technology Letters*, 2025**

Article • *Open access*

A Generalized Deep Learning Approach for Cross-Crop Plant Disease Detection Using the Plant Village Dataset

Roopa, R., Lingam, R., Santosh, R., ...Balaji, P., Avanija, J.

***Journal of Machine and Computing*, 2025**

Article • *Open access*

Deep Vision Transformer with Tasmanian Devil Optimization for Multiclass Paddy Disease Detection and Classification for Precision Agriculture

Shanthy, A.L., Jamalpur, B., Vijayaganth, R., Venkatesh, N.

***Journal of Electronics Electromedical Engineering and Medical Informatics*, 2025**

Conference Paper

Smart Agriculture Yield Prediction Using Machine Learning

Balasundaram, A., Suraboina, V.S., Maka, B., Thalupula, A.

***Aip Conference Proceedings*, 2025**

Conference Paper

Accuracy Enhancement Plant Disease Detection Using CNN Algorithm

Perumal, K., Vutharadi, H., Kondeti, S., Kavala, K.

Aip Conference Proceedings, 2025

Article • *Open access*

Developing a Hybrid Faster Recurrent Convolutional Neural Network with an Improved Weighted Artificial Bee Optimization Method for Grape Disease Detection at an Early Stage

Jayapal, P., Saminathan, P., Karthika, K., Nirmala Devi, N., Surendra, K.R.

Ssrg International Journal of Electronics and Communication Engineering, 2025

Conference Paper

An Optimized Convolutional Neural Network for Automated Plant Disease Classification Using Hyperparameter Tuning

Roopa, R., Priya, C.V., Reddy, P.L.K., ...Senthilkumar, M., Vasudevan, I.

Proceedings of 3rd International Conference on Intelligent Cyber Physical Systems and Internet of Things Icoici 2025, 2025

Conference Paper

Integrating Genomic Selection and Support Vector Machines to Improve Genetic Resistance in Crops

Balaji Damodhar, T.S., Vidhya, S., Thirumurugan, R., ...Nithya, N., Monisha, R.

Proceedings of the 4th International Conference on Innovative Mechanisms for Industry Applications Icimia 2025, 2025

Article • *Open access*

Automated Weed Detection in Crop Fields Using Convolutional Neural Networks: A Deep Learning Approach for Smart Farming | Detección automatizada de malas hierbas en campos de cultivo mediante redes neuronales convolucionales: un enfoque de aprendizaje profundo para la agricultura inteligente

Nidhya, R., Pavithra, D., Smilarubavathy, G., Mythrayee, D.

Data and Metadata, 2025

Conference Paper

An Interactive Application for Eggplant Quality Detection Using YOLOV8-E

Pranay, P., Viswanath, J., Kumar, T.R., Kishore, S.R., Lokamanya, G.

Proceedings of the 6th International Conference on Inventive Research in Computing Applications Icirca 2025, 2025

Conference Paper

Deep Learning for Tomato Leaf Disease Detection and Classification

Gayatri, E., Aravind, A., Reddy, M.M., Sandeep, J., Lokesh, B.V.

Proceedings 3rd International Conference on Self Sustainable Artificial Intelligence Systems Icssas 2025, 2025

Conference Paper

Crop Yield Prediction Based on the Characteristics of Agricultural Environment

Sudhakar, R., Pallavi, N.V., Pushpa, G., Sasank Reddy, A.P., Purushotham, M.

International Conference on Computational Robotics Testing and Engineering Evaluation Iccrtee 2025, 2025

Book Chapter • Open access

Identification of Foliar Pathologies in Apple Foliage Utilizing Advanced Deep Learning Techniques

Kundu, T.K., Das, S., Nidhya, R.

Generative Artificial Intelligence Concepts and Applications, 2025

Conference Paper

AgriNexus: A Next-Gen IoT-Driven Autonomous Ecosystem for Smart Agriculture

Pitta, S., Amirthayogam, G., Rebecca, A.S., ...Sundar, R.S.S., Arunkumar, G.

Proceedings of 3rd International Conference on Augmented Intelligence and Sustainable Systems Icaiss 2025, 2025

Conference Paper

Deep Learning Driven - Pest Classification and Sustainable Agriculture

Srish Kumar, M., Usha, R., Reddy, B.R., ...Pokala, J.P., Swetha, B.

3rd International Conference on Electronics and Renewable Systems Icears 2025 Proceedings, 2025

Article

Remote Sensing–Based UAV Imaging in Heat Pattern Analysis Impact on Climate Change Detection Using Fuzzy Stacked Lasso Elastic-Net Model

Sailaja, M., Medapati, P.K., Jyothi, B.S., ...Manjula, S., Divya Priya, D.D.

Remote Sensing in Earth Systems Sciences, 2024

Conference Paper

Technological Innovations in IoT-Based Smart Agriculture Systems for Sustainable Crop Management

Padmapriya, S., Todmal, A., Veeraiah, V., ...Muthugurunathan, G., Rakshitha,

Proceedings 4th International Conference on Technological Advancements in Computational Sciences Ictacs 2024, 2024

Conference Paper

Automated semantic segmentation and Diagnosis of Coconut Tree Infection Using Drone Imagery and Machine Learning approach for smart agriculture

Vasumathy, M., Devakanth, J.J.M.A., Thirugnanam, M., ...Hamsaveni, R., Nandhini, R.

2024 International Conference on Intelligent Systems and Advanced Applications Icisaa 2024, 2024

Conference Paper

A Detailed Investigation of Deep Learning and Machine Learning Approaches for Sugarcane Foliage Disorder Identification

Khatoon, R.T., Ashok, D., Mallidi, S.K.R., ...Srikanth, P., Bhaskar, P.

Proceedings of the 5th International Conference on Smart Electronics and Communication Icosec 2024, 2024

Conference Paper

Enhancing Maize Leaf Disease Prediction with Advanced Machine Learning Models

Kanakaprabha, S., Gaddam, V., Saranya, N., ...Sape, C., Raju, Y.R.

Smart Innovation Systems and Technologies, 2024

Article • *Open access*

Enhancing Agricultural Productivity: Development of a Smart Farming Monitoring System with ESP32 and Fuzzy Logic Control

Deepthi, P., Sasikumar, S., Subashini, T., Rekha, C., Amutha, S.

Nanotechnology Perceptions, 2024

Article • *Open access*

A Comprehensive IoT-Based Automation System for Enhanced Productivity and Sustainability for Advancing Farming Efficiency

Deepa, A., Vidhyashree, B., Venkataraman, S.R., ...Madasamy Raja, G., Preetha, M.K.

Nanotechnology Perceptions, 2024

Conference Paper

Design and Development of an Apple Fruit Disease Identification Methodology Based on Enhanced Deep Learning Strategy

Mallikarjuna, G., Parivazhagan, A., Vasumathi, G.G.G., Hemajothi, S., Sabitha, R.

Proceedings of 9th International Conference on Science Technology Engineering and Mathematics the Role of Emerging Technologies in Digital Transformation Iconstem 2024, 2024

Article

Early betel leaf disease detection using vision transformer and deep learning algorithms

Kusuma, S., Jothi, K.R.

International Journal of Information Technology Singapore, 2024

Conference Paper

Leveraging Deep Belief Networks and Multi-Class Support Vector Machine for Nutritional Deficiency Identification in Grape Plant Leaves

Kiran, P., Saikiran, N.G., Srilatha, D., ...Rayudu, K.M., Mounika, R.

7th International Conference on Electronics Communication and Aerospace Technology Iceca 2023 Proceedings, 2023

Conference Paper

Diet Recommendation System for Human Health Using Machine Learning

Veerosekharreddy, B.V.S., Thatha, V.N., Kiran, G.U., ...RajaSekhar Reddy, N.V., Raju, Y.R.

7th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions Csitss 2023 Proceedings, 2023

Review • *Open access*

Recent Advancement in Postharvest Loss Mitigation and Quality Management of Fruits and Vegetables Using Machine Learning Frameworks

Singh, A., Vaidya, G.P., Jagota, V., ...Debnath, S., Potrich, E.

Journal of Food Quality, 2022

Retracted

A UCM Approach for Forecasting the Seasonal Rainfall Patterns in Coastal Andhra Pradesh, India 1901–2017

Narasimha Murthy, K.V., Amaranatha Reddy, T., Vijaya Kumar, K.

Pure and Applied Geophysics, 2020

Display [200 results](#) 

About Scopus

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

Language

[日本語版を表示する](#)

[查看简体中文版本](#)

[查看繁體中文版本](#)

[Просмотр версии на русском языке](#)

Customer Service

[Help](#)

[Tutorials](#)

[Contact us](#)

ELSEVIER

[Terms and conditions](#) ↗ [Privacy policy](#) ↗ [Cookies settings](#)

All content on this site: Copyright © 2026 [Elsevier B.V.](#) ↗, its licensors, and contributors. All rights are reserved, including those for text and data mining, AI training, and similar technologies. For all open access content, the relevant licensing terms apply.





Madanapalle Institute of Technology & Science

Kadiri Road Angallu (Village), Madanapalle, AP, India © 60107346

2,058

Documents ⓘ

904

Authors

[Set document alert](#)

[Give feedback](#)

[Documents](#)

[Structure](#)

[Collaborators](#)

New

[Sustainable Development Goals 2023](#)

New: See at one glance Sustainable Development Goals mapped to this organisation

Sustainable Development Goals (SDGs) are specific research areas that are helping to solve real-world problems. Elsevier data science teams have built extensive keyword queries, supplemented with machine learning, to map documents to SDGs with very high precision. Times Higher Education (THE) is using Elsevier SDG data mapping as part of its Impact Rankings. [More about SDGs ↗](#)

[← Back](#)

10 documents for **Zero hunger**

Conference Paper

Enhancing Maize Leaf Disease Prediction with Advanced Machine Learning Models

Kanakaprabha, S., Venu Gopal, G., Saranya, N., ...Sape, C., Raju, Y.R.

Smart Innovation, Systems and Technologies, 2024

Article

Remote Sensing–Based UAV Imaging in Heat Pattern Analysis Impact on Climate Change Detection Using Fuzzy Stacked Lasso Elastic-Net Model

Sailaja, M., Medapati, P.K., Jyothi, B.S., ...Manjula, S., Divya Priya, D.

Remote Sensing in Earth Systems Sciences, 2024

Article

Enhancing Agricultural Productivity: Development of a Smart Farming Monitoring System with ESP32 and Fuzzy Logic Control

Deepthi, P., Sasikumar, S., Subashini, T., Rekha, C., Amutha, S.

Nanotechnology Perceptions, 2024

Article

A Comprehensive IoT-Based Automation System for Enhanced Productivity and Sustainability for Advancing Farming Efficiency

Deepa, A.R., Vidhyashree, B., Venkataraman, S.R., ...Madasamy Raja, G., Preetha, M.K.

Nanotechnology Perceptions, 2024

Conference Paper

Design and Development of an Apple Fruit Disease Identification Methodology Based on Enhanced Deep Learning Strategy

Mallikarjuna, G., Parivazhagan, A., Vasumathi, G., Hemajothi, S., Sabitha, R.

Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024, 2024

Article

Early betel leaf disease detection using vision transformer and deep learning algorithms

Kusuma, S., Jothi, K.R.

International Journal of Information Technology (Singapore), 2024

Conference Paper

Leveraging Deep Belief Networks and Multi-Class Support Vector Machine for Nutritional Deficiency Identification in Grape Plant Leaves

Kiran, P., Saikiran, N., Srilatha, D., ...Rayudu, K.M., Mounika, R.

7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 - Proceedings, 2023

Conference Paper

Diet Recommendation System for Human Health Using Machine Learning

Veerasekharreddy, B.V.S., Thatha, V.N., Kiran, G.U., ...Rajasekharreddy, N.V., Raju, Y.R.

7th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions, CSITSS 2023 - Proceedings, 2023

Review • [Open access](#)

Recent Advancement in Postharvest Loss Mitigation and Quality Management of Fruits and Vegetables Using Machine Learning Frameworks

Singh, A., Vaidya, G.P., Jagota, V., ...Debnath, S., Potrich, E.


Journal of Food Quality, 2022

Retracted

A UCM Approach for Forecasting the Seasonal Rainfall Patterns in Coastal Andhra Pradesh, India 1901–2017

Narasimha Murthy, K.V., Amaranatha Reddy, T., Vijaya Kumar, K.

Pure and Applied Geophysics, 2020

Display [200 results](#) 

About Scopus

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

Language

[日本語版を表示する](#)

[查看简体中文版本](#)

[查看繁體中文版本](#)

[Просмотр версии на русском языке](#)

Customer Service

[Help](#)

[Tutorials](#)

[Contact us](#)

ELSEVIER

[Terms and conditions](#) ↗ [Privacy policy](#) ↗ [Cookies settings](#)

All content on this site: Copyright © 2024 [Elsevier B.V.](#) ↗, its licensors, and contributors. All rights are reserved, including those for text and data mining, AI training, and similar technologies. For all open access content, the relevant licensing terms apply.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the [use of cookies](#) ↗.

