Madanapalle Institute of Technology & Science

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

3,435
Documents

1,895
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

73 documents for ***Climate action***

Export

Blockchain-enabled EV–renewable interaction using transformer forecasting and multi-agent learning

Anita, S., Somashekhar, G.C., Lakshmi Khandan, K., ...Veeramanikandan, P., Qamar, S.

Electric Power Systems Research, 2027

- *Open access*

Experimental evaluation, machine learning prediction, and life cycle assessment of sustainable self compacting concrete incorporating limestone powder and calcined clay

Padavala, S.S.A.B., Avudaiappan, S., Sudheer Kumar, S.K., ...Harinder, D., Paluri, Y.

Scientific Reports, 2026

- *Open access*

Financialization and fintech as drivers of solar, wind, and hydropower development

Kolati, Y., Raghutla, C.

Humanities and Social Sciences Communications, 2026

- *Open access*

Machine learning-driven optimization of asphalt performance using eco-friendly waste modifiers

Bhowmik, P.N., Saini, K., Anand, P., ...Prakash, P., Anand, S.

Scientific Reports, 2026

- *Open access*

Public–private partnership investments and the sustainability of India's transport sector

Kolati, Y., Raghutla, C.

Discover Environment, 2026

- *Open access*

Weighted cost emission dispatch optimization using GA–APO hybridization under priority sensitive scheduling for thermal power systems

Srinivas, C., Reddy, M.R.P., Kumar, V., Dev, A., Muleta, N.

Scientific Reports, 2026

Energy efficient distributed control of IoT-based solar microgrids through digital twin and multi-agent intelligence

Mariappan, Y., Kalpana, R., Kumar, N.M., Raja, S.P.

Electrical Engineering, 2026

AI-Driven Optimization of Nano-modified Bitumen: CO2 reduction Efficiency Through Machine Learning and Optimization Framework

Bhowmik, P., Saini, K., Anand, P.

International Journal of Pavement Research and Technology, 2026

Machine learning for land use and land cover mapping in Google earth engine: A review of methods, applications, and challenges

Dinesh Kumar Reddy, Y., Roy, D., Nakkeeran, G., Reddy, N.

Ecological Frontiers, 2026

Remarkable Reduction of Carbon Dioxide Emission from Crumb Rubber Modified Bitumen by Introducing Hydroxyapatite Encapsulated Magnesium Ferrite (HAP/MgFe2O4) Nanocomposite in Varying Proportions

Bhowmik, P.N., Barman, P., Ahmed, M.A., Das, K.C.

International Journal of Pavement Research and Technology, 2026

- *Open access*

Nanomaterials and Eco-Friendly Refrigerants in Vapor Compression System: A Review of Performance and Sustainability

Dilawar, M., Ali, B., Turali, T., ...Qureshi, T., Ahmed, M.M.

Energy Science and Engineering, 2026

Sustainable Alternatives in Construction: Harnessing Fly Ash, GGBS, and Predictive Modelling for Eco-Efficient Building Materials

Sudheer Kumar, S.K., Anand, P., Singh, S.D., ...Kushwaha, P., Chauhan, A.S.

Circular Economy and Sustainability, 2026

Predictive modeling of regional economic benefits from solar energy adoption: a multi-model regression and spatial analysis approach

Saini, K., Bhowmik, P.N., Deka, H.

Mitigation and Adaptation Strategies for Global Change, 2026

Integrating Machine Learning and Nash Equilibrium for Enhanced Climate Risk Management

Challa, C.M., Alvarado, M., Soujanya, K.L.S., A, A.

Smart Innovation, Systems and Technologies, 2026

Predictive Green FinOps: Joint Optimization of Cost, Carbon, and Reliability in AI-Intensive Clouds

Jakkaraju, V.T.D., Jayaprakasan, V.

2026 IEEE 5th International Conference on AI in Cybersecurity, ICAIC 2026, 2026

Assessment of Integration of PV System with Grid

Ashpin Pabi, D.J., Sandeep, K.S., Indarapu, S.R.K., ...Verma, D., Singh, T.

4th IEEE International Conference on Power Electronics and IoT Applications in Renewable Energy and its Control, PARC 2026, 2026

Cloud and IoT-Driven Smart Irrigation: A Modern Approach to Water Management in Agriculture

Venkataiah, V., Shabbeer Basha, K.H.S., Anand Babu, R.A., ...Benarji, S.N.B., Bondalapati, S.R.

IAENG International Journal of Computer Science, 2026

Utilization of Cassava Peel Ash as a Partial Replacement of Precursor Material for the GGBS Based Geopolymer Concrete

Ganesh, A.C., Vijaya Kumar, M.V., Raju, H.P., Anitha, K., Prashath, J.R.

International Journal of Pavement Research and Technology, 2026

Multimodal AI framework for forecasting tree cover loss and carbon emissions in india: integrated time-series modeling, spatial volatility mapping, and explainable causal analysis

Bhowmik, P.N., Saini, K., Anand, P., Nunna, T.S.P.

Mitigation and Adaptation Strategies for Global Change, 2026

- *Open access*

Optimization of waste plastic fiber concrete with recycled coarse aggregate using RSM and ANN

Shinde, S.N., Christa, S., Grover, R.K., ...Nakkeeran, G., Alaneme, G.U.

Scientific Reports, 2025

A review of remote sensing and GIS applications in flood monitoring and management

Bhargavi, K., Roy, D., Nakkeeran, G., Reddy, N.G.

Sadhana - Academy Proceedings in Engineering Sciences, 2025

- *Open access*

Advanced prediction and optimization of VCR engine characteristics using RSM with DFA for sustainable biofuel derived from waste lemon Peel

Bhaskara Rao, T.S.S.B., Manimaran, R., Manivannan, C., Reddy, V.S.N., Mehar, K.

Scientific Reports, 2025

- *Open access*

Impact of biochar on strength, durability, and carbon sequestration in cement based materials

Kiran, G.U., Nakkeeran, G., Roy, D., Alaneme, G.U.

Discover Sustainability, 2025

- *Open access*

Mechanical properties and machine learning analysis of concrete incorporating waste glass as coarse aggregate

Govardhan Naik, B.G., Nakkeeran, G., Roy, D., ...Alaneme, G.U., Bakare, M.S.

Discover Sustainability, 2025

- *Open access*

Optimization of cashew nut shell biodiesel production with industrial waste catalysts and butanol additives for ecofriendly CRDI engine applications

Senthilkumar, S., Giri, J., Bhaskara Rao, T.S.S.B., Kanan, M., Manimaran, R.

Scientific Reports, 2025

Improved ultraviolet photodetection and oxygen gas sensing performance using CeO2 rare-earth oxide thin films deposited on GaN

Nanda Kumar Reddy, N.K., Rahim Bakash, K., Saputra, R., ...Minnam Reddy, V.R., Kushvaha, S.S.

Physica B: Condensed Matter, 2025

Transforming Plastic Waste into Sustainable Roads: Enhancing Bituminous Mixes With High and Low-Density Polymers

Singh, S.D., Anand, P., Yadav, S.K., Nishant, n., Vora, T.

Circular Economy and Sustainability, 2025

Recent advances in the development of various electrocatalysts for CO2 reduction reactions: A review

Rajaram, R., Karuppusamy, S., Christopher Jeyakumar, T., Maruthapandian, V.

Journal of Alloys and Compounds, 2025

Enhancing Concrete Sustainability: Synergistic Effects of Individual and Dual Treatments on Recycled Coarse Aggregate from Construction and Demolition Waste

Anand, P., Sinha, A.K., Rajhans, P., Bhowmik, P.N.

Journal of Structural Design and Construction Practice, 2025

- *Open access*

Exploring Financial Innovation Through Cryptocurrency: A Global Systematic and Bibliometric Analysis

Gnanaprasuna, E., Kumar, B.A., Sreenivasulu, A., Navaneetha, T.

International Journal of Accounting and Economics Studies, 2025

Comprehensive study of diesel engine characteristics of valves coated by titanium nitride (TiN)

Ellappan, E.R., Krishna, R., Senthilkumar, P., Krishnakumar, T.S., Çolak, I.

Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2025

Marine Life Ecosystem Analysis Based on Climate Change Detection Using Deep Learning Algorithms

Rebecca, B., Sandhya, A., Pokkuluri, K.S., ...Khasimbee, K., Krishna, B.M.

Remote Sensing in Earth Systems Sciences, 2025

Drying kinetics, mathematical modelling and colour analysis of an indirect solar dryer with latent heat storage unit for cucumber drying

Madhankumar, S., Arunkumar, D., Sumanth, C.M., ...Kotha, M.N.V.S.A.S., Ali, L.F.

Solar Energy, 2025

Thiourea Functionalised Receptor for Selective Detection of Mercury Ions and its Application in Serum Sample

Mohanty, P., Dash, P.P., Mishra, S., Bhaskaran, R., Jali, B.R.

Journal of Fluorescence, 2025

- *Open access*

Transformers-Based Multimodal Deep Learning for Real-Time Disaster Forecasting and Adaptive Climate Resilience Strategies

Dhanikonda, S.R., Pingili, M., Jayaselvi, P., ...Peddi, P., Bhavsingh, B.

International Journal of Computational and Experimental Science and Engineering, 2025

Smart Agriculture Yield Prediction Using Machine Learning

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

AIP Conference Proceedings, 2025

AIR QUALITY PREDICTION USING IOT AND NEURAL NETWORKS-AN EMPIRICAL ANALYSIS

Ravi Kumar, P.R., Balaji, T., Bhavani, D., ...Penubaka, K.K.R., Jaya, N.

Journal of Theoretical and Applied Information Technology, 2025

- *Open access*

Evaluation of SCBA-replaced cement for carbon credits and reduction in CO2 emissions

Yarra, A., Nakkeeran, G., Roy, D., Alaneme, G.U.

Discover Applied Sciences, 2025

Application of potential green algal for power generation as a likely and fractional alternative

Yuvarajan, Y., Dinesh Babu, D., Arunkumar, D., Thandavamoorthy, T., Ruby, R.

Biomass Conversion and Biorefinery, 2025

ARIMA-based Approaches for Enhanced Photovoltaic Power Forecasting in Renewable Energy Systems

Mishra, D., Guravaiah, B., Yadav, M.R., ...Thurai Raaj, V.B., Yadav, R.

Proceedings of 5th International Conference on Evolutionary Computing and Mobile Sustainable Networks, ICECMSN 2025, 2025

Towards 2030: Comparative Analysis of SDG Achievements in India, Indonesia and Japan Using Machine Learning Techniques

Bonthala, S., Chakraborty, B., Shirota, Y.

IEEE Region 10 Humanitarian Technology Conference, R10-HTC, 2025

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

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

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

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

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

Remote Sensing in Earth Systems Sciences, 2024

Marine Life Analysis Based on Ocean Water Level Rise and Climate Change Using Underwater Imaging Techniques

Mate, A.D., Arulananth, T.S., Sathiya, T., ...Wasim Raja, A.W., Yalawar, M.S.

Remote Sensing in Earth Systems Sciences, 2024

- *Open access*

Fractional Jaya election-based optimization enabled routing and charge scheduling for electric vehicle in cloud-assisted Vehicular Ad Hoc NETwork

Ramesh, R., Devaraj, T., Balaji Damodhar, T.S., Kannan, C.

International Journal of Communication Systems, 2024

- *Open access*

Experimental and numerical validation of the energy-saving performance of a passive pcm floor for a real-scale building

Kalyana Sundaram, N.K., Maruthamuthu, R., Alsalami, Z., ...Palakaluri, P., Subburaj, R.

E3S Web of Conferences, 2024

- *Open access*

Synergy Effect of High K-Low Ca-High Si Biomass Ash Model System on Syngas Production and Reactivity Characteristics during Petroleum Coke Steam Gasification

Wei, J., Tian, L., Sun, J., ...Xu, G., Yu, G.

Energies, 2024

Economic growth study and inferences from developments in e-mobility

Sharada Prasad, N., Goritiyal, C., Ramana, N.V., ...Sukania, P., Sampath, S.

A Sustainable Future with E-Mobility: Concepts, Challenges, and Implementations, 2024

Exploring Different Bypass Schemes for Photovoltaic Modules in Partial Shading Conditions: A Comprehensive Analysis

Saravanan, D., Ganesh Reddy, B., Bhardwaj, I., ...Rehana, T., Shankar, K.

2024 2nd International Conference on Advancements and Key Challenges in Green Energy and Computing, AKGEC 2024, 2024

An Attention-based Rainfall Prediction System using LSTM Model and Convolutional Block Module

Kiran, P., Vara, J., Kama, S., ...Karunamma, D., Vivek, K.

2nd International Conference on Self Sustainable Artificial Intelligence Systems, ICSSAS 2024 - Proceedings, 2024

GREEN HORIZONS SUSTAINABLE PRACTICES IN DATA CENTRE NETWORKING FOR ENVIRONMENTAL CONSERVATION

Khandan, K.L., Murali Krishna, T.M., Swetha, S., ...Patil, H., Manoj Kumar, N.M.

Journal of Environmental Protection and Ecology, 2024

GREEN AI REVOLUTION MACHINE LEARNING FOR ENVIRONMENTAL-FRIENDLY COMMUNICATION NETWORKS

Amutha, M., Lokeshwaran, K., Rajendiran, M., ...Vinodha, S., Yalawar, M.S.

Journal of Environmental Protection and Ecology, 2024

Enhancing Energy Efficiency in Smart Cities: Advanced ANN and Decision Tree Model for Solar Energy with IoT and Cloud Server

Mohanaprakash, T.A., Mutharasu, M., Saravanan, T., Raja, S., Angeline Valentina Sweety, A.

International Journal of Intelligent Systems and Applications in Engineering, 2024

Performance, emission, combustion, exergy, exergoeconomic and sustainability analyses of EGR incorporated CI engine fuelled with areca nut husk nano-additive dosed plastic oil–water-diesel emulsion blend

Saha, D., Roy, B., Pattanayak, S., Mishra, L., Kundu, P.

Thermal Science and Engineering Progress, 2024

Analysis of Corporation Trends in Environmental Protection Using VOS Viewer

Yakoob, S.K., Kumar, A.S., Sreenivasulu, G., Venkata Srihari Babu, D.V.S., Selvan, R.S.

Text Mining and Sentiment Analysis in Climate Change and Environmental Sustainability, 2024

- *Open access*

A mathematical approach of evaluating sustainability indicators in milling of aluminium hybrid composite by different eco-friendly cooling strategies

Sivalingam, V., Zhou, Q., Baskaran, B., ...Gupta, M.K., Korkmaz, M.E.

Sustainable Materials and Technologies, 2023

Experimental investigation of thermal performance, kinetic triplets, and synergistic effect for bamboo-waste plastic (PP & PE) blends using thermogravimetric analyser in N2 atmosphere

Pattanayak, S., Loha, C., Singh, R., Saha, D.

Sustainable Energy Technologies and Assessments, 2023

- *Open access*

Assessment of charging technologies, infrastructure and charging station recommendation schemes of electric vehicles: A review

Savari, G.F., Jagabar Sathik, M.J., Anantha Raman, L.A., ...Abdel Aleem, S.H.E., Omar, A.I.

Ain Shams Engineering Journal, 2023

Experimental investigation on slaughter, fish waste and poultry excrete oil as fuel blends in diesel engine

Hemanandh, J., Yuvarajan, Y., Ruby, R., Nagaraj, N.

Biomass Conversion and Biorefinery, 2023

AI-based Prognostic Analysis of NOx Emission from Industrial Diesel Engine for Feedback Control System

Deepanraj, D., Sharma, P., Shaik, F., Anantha Raman, A.R.

2023 1st International Conference on Optimization Techniques for Learning, ICOTL 2023 - Proceedings, 2023

Electric Vehicles Battery Management Device - Opportunities and Implications

Pavan Kumar, A.V., Kamal Basha, C., Srinivas, C.

1st International Conference on Emerging Research in Computational Science, ICERCS 2023 - Proceedings, 2023

- *Open access*

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

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

Journal of Food Quality, 2022

Experimental Investigations on Utilization of Bagasse Ash in Adobe Bricks

Dharek, M.S., Sreekeshava, K.S., Vengala, J., ...Sunagar, P., Shivaprakash, M.V.

Lecture Notes in Civil Engineering, 2022

Machinability investigation and sustainability assessment in hard turning of AISI D3 steel with coated carbide tool under nanofluid minimum quantity lubrication-cooling condition

Dash, L., Padhan, S., Das, A., Das, S.R.

Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021

Examining the factors influencing consumers' choice for electric vehicles in India

Prasanna, S., Rangarajan, V., Khan, M., Asraar Ahmed, K.A.A.

International Journal of Electric and Hybrid Vehicles, 2021

Effect of di-ethyl-ether on biodiesel fuelled diesel engine

Devaraj, A., Yuvarajan, Y., Vinoth Kanna, K.I.

International Journal of Ambient Energy, 2021

2M2C-R2ED: Multi-Metric Cooperative Clustering Based Routing for Energy Efficient Data Dissemination in Green-VANETs

Chandramohan, D., Dumka, A., Jayakumar, L.

Technology and Economics of Smart Grids and Sustainable Energy, 2020

Study on the effect on combining long-chain additive with neat bio-diesel fueled engine to examine its ignition characteristics

Yuvarajan, Y., Dinesh Babu, D., Nagappan, B., Choubey, G.

Fuel, 2020

Feasibility study of employing diverse antioxidants as an additive in research diesel engine running with diesel-biodiesel blends

Yuvarajan, Y., Nagappan, B., Mageshwaran, G., Sunil Kumar, M., Durairaj, R.B.

Fuel, 2020

Experimental evaluation of combustion, emission and performance of research diesel engine fuelled di-methyl- carbonate and biodiesel blends

Yuvarajan, Y.

Atmospheric Pollution Research, 2019

Performance evaluation and emission characteristics of biodiesel-ignition enhancer blends propelled in a research diesel engine

Joy, N., Yuvarajan, D., Nagappan, N.

International Journal of Green Energy, 2019

Exploration of Wind Energy in India: A Short Review

Sitharthan, R., Swaminathan, J.N., Parthasarathy, T.

2018 National Power Engineering Conference, NPEC 2018, 2018

- *Open access*

Spatio-temporal variations of surface temperatures of Ahmedabad city and its relationship with vegetation and urbanization parameters as indicators of surface temperatures

Mathew, A., Khandelwal, S., Kaul, N.

Remote Sensing Applications: Society and Environment, 2018

- *Open access*

3D modelling of coal deformation under fluid pressure using COMSOL multiphysics

Kumar, H., Mishra, M.K., Mishra, S.

Journal of Engineering Science and Technology Review, 2017

Display 100 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.

RELX™