



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



PUBLICATIONS



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](#)

36 documents for **Responsible consumption and production**

Article

Optimizing support vector regression using grey wolf optimizer for enhancing energy efficiency and building prototype architecture

Sakib, M., Ahmad, S., Anwar, K., Saqib, M.

Cluster Computing, 2025

Review

An overview of recent trends and future prospects of sustainable natural fiber-reinforced polymeric composites for tribological applications

Soni, A., Das, P.K., Gupta, S.K., ...Kamyab, H.R., Yusuf, M.

Industrial Crops and Products, 2024

Article • *Open access*

Investigating the potential of waste glass in paver block production using RSM

Govardhan Naik, B., Nakkeeran, G., Roy, D., Alaneme, G.U.

Scientific Reports, 2024

Article

Towards sustainability assessment, energy consumption, and carbon emissions in cryogenic drilling of Alloy 20: a new approach towards sustainable future and challenges

Sivalingam, V., Liu, H., Baskaran, S., ...Korkmaz, M.E., Sun, J.

International Journal of Advanced Manufacturing Technology, 2024

Conference Paper • *Open access*

Study on Influence of Brine Solution on swelling Behaviour of Expansive soil

Sudheer Kumar, Y., Noolu, V., Priyam, N.B., Anitha, K., Hari Krishna, P.

Journal of Physics: Conference Series, 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

GREEN HORIZONS SUSTAINABLE PRACTICES IN DATA CENTRE NETWORKING FOR ENVIRONMENTAL CONSERVATION

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

Journal of Environmental Protection and Ecology, 2024

Article

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 Sweetey, A.

***International Journal of Intelligent Systems and Applications in Engineering*, 2024**

Article • 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, S., ...Gupta, M.K., Korkmaz, M.E.

***Sustainable Materials and Technologies*, 2023**

Article

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.K., Saha, D.

***Sustainable Energy Technologies and Assessments*, 2023**

Conference Paper

SDGs Gender Equality Analysis in India by using SHAP Interpretation

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

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

Article

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

Devarajan, Y., Dinesh Babu, M., Arunkumar, D., Thandavamoorthy, R., Ruby, M.

***Biomass Conversion and Biorefinery*, 2023**

Article

Numerical simulation of air distribution for monitoring the central air conditioning in large atrium

Wang, L., Kumar, P., Makhatha, M.E., Jagota, V.

***International Journal of System Assurance Engineering and Management*, 2022**

Article

Tourist hot spots prediction model based on optimized neural network algorithm

Huang, X., Jagota, V., Espinoza-Muñoz, E., Flores-Albornoz, J.

***International Journal of System Assurance Engineering and Management*, 2022**

Book Chapter

Sustainable manufacturing strategies in machining

Sivaiah, P., Dupadu, C., Narayanan, R.G.

***Sustainable Manufacturing Processes*, 2022**

Article

Green Supply Chain Performance Analysis Under Industry 4.0 Using Fuzzy Intellectual Approach

Krishna, S., Ali, M.M., Thakur, S.S., Vigneswara Rao, K.T.

***International Journal of Social Ecology and Sustainable Development*, 2022**

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**

Conference Paper

Experimental Investigations on Utilization of Bagasse Ash in Adobe Bricks

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

***Lecture Notes in Civil Engineering*, 2022**

Article

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**

Article

Assessing the performances of vendor firms by optimization technique industry 4.0 GSC architectures

Geetha Devi, K.V., Thakur, S.S., Singh, S.K.

***International Journal of Social Ecology and Sustainable Development*, 2021**

Article

Reinforced Cuckoo Search based fugitive landfill methane emission estimation

Thirugnanasambandam, K., Sudha, S.V., Saravanan, D.D., ...Anguraj, D.K., Raghav, R.S.

Environmental Technology and Innovation, 2021

Article

Control of room temperature fluctuations in the building by incorporating PCM in the roof

Nagappan, B., Devarajan, Y., Arulprakasajothi, M., Elangovan, K., Thirugnanasambandam, A.

Journal of Thermal Analysis and Calorimetry, 2021

Conference Paper

Development of Multi-functioning Organic Waste Shredding Machine for Natural Compost

Pavankumar, E., Baskaran, S., Prithvirajan, R., Vinoth Kumar, S., Karpagaraj, A.

Lecture Notes in Mechanical Engineering, 2021

Article

Sustainability Assessment and Machinability Investigation of Austenitic Stainless Steel in Finish Turning with Advanced Ultra-Hard SiAlON Ceramic Tool under Different Cutting Environments

Padhan, S., Das, A., Santoshwar, A., Dharmendrabhai, T.R., Das, S.R.

Silicon, 2021

Review

Identifying the effectiveness of manner of cryogenic coolant supply in different cryogenic cooling techniques in turning process—a review

Sivaiah, P., Dupadu, C.

Machining Science and Technology, 2020

Article

Enhanced Route Selection (ERS) algorithm for IoT enabled smart waste management system

Nidhya, R., Kumar, M., Ravi, R.V., Deepak, V.

Environmental Technology and Innovation, 2020

Article

One pot Green Synthesis of Nano magnesium oxide-carbon composite: Preparation, characterization and application towards anthracene adsorption

Kumar, A.J., Joshua Amarnath, D., Anuradha Jabasingh, S., ...Purna Pushkala, S., Devarajan, Y.

Journal of Cleaner Production, 2019

Article

Examining the impact of development projects' on the project affected people: A study in Kalinganagar industrial estate, Odisha, India

Sahoo, C., Naik, S.

***Indian Journal of Public Health Research and Development*, 2019**

Article

Modeling and optimization of sustainable manufacturing process in machining of 17-4 PH stainless steel

Sivaiah, P., Dupadu, C.

***Measurement: Journal of the International Measurement Confederation*, 2019**

Review

Powell–eyring fluid flow towards an isothermal sphere in a non-darcy porous medium

Gaffar, S.A., Rehman, K.U., Ramesh Reddy, P., Ramachandra Prasad, V., Md. Hidayathulla Khan, B.M.H.

***Canadian Journal of Physics*, 2019**

Article

Green supply chain management assessment under chains of uncertain indices: An intellectual approach

Sahu, N.K., Sahu, A.K., Sahu, A.K.

***Journal of Modelling in Management*, 2018**

Article

Performance modeling and benchmarking of green supply chain management: An integrated fuzzy approach

Sahu, A.K., Narang, H.K., Rajput, M.S., Sahu, N.K., Sahu, A.K.

***Benchmarking*, 2018**

Article

A novel method for the removal of epoxy coating from waste printed circuit board

Senophiyah-Mary, J., Loganath, R., Meenambal, T.

***Waste Management and Research*, 2018**

Article

Effect of cryogenic coolant on turning performance characteristics during machining of 17-4 PH stainless steel: A comparison with MQL, wet, dry machining

Sivaiah, P., Dupadu, C.

CIRP Journal of Manufacturing Science and Technology, 2018

Conference Paper

Effect of Water Content on Relative Flow Area and Hence Predicted Flow Values of Controlled Low Strength Materials

Raghavendra, T., Udayashankar, B.C., Lokeshwari, M., Shelar, V.M., Amaranath Reddy, N.

Urbanization Challenges in Emerging Economies: Resilience and Sustainability of Infrastructure - Selected Papers from the ASCE India Conference 2017, 2018

Conference Paper

Urbanization Challenges in Emerging Economies

Lokeshwari, M., Mendi, V., Raghavendra, T., Reddy, A., Udayashankar, B.C.

Urbanization Challenges in Emerging Economies: Energy and Water Infrastructure; Transportation Infrastructure; and Planning and Financing - Selected Papers from the ASCE India Conference 2017, 2017

Display 50 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](#) ↗.

