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8 DECENT WORK AND ECONOMIC GROWTH



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

***International Journal of Pavement Research and Technology*, 2026**

Article

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.G.

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

Usha, R., Baskar, R.

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Amudala, A., Moni, M.K., Akuthota, K., ...Dovanam, G.V.V., Neelima, P.

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Sustainable synthesis and advanced optimization of Prosopis juliflora biomass catalyst for efficient biodiesel production and environmental impact assessment

Bhaskara Rao, T.S., Gnanaprakasam, M., Manimaran, R., ...Kale, U., Kilikevičius, A.

***Scientific Reports*, 2025**

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Intelligent Machine Learning Strategies for Minimizing Machining Power in Minimum Quantity Lubrication Machining of Ti6Al4V Alloy

Sarma, D., Ozah, R., Borah, J., Chandrasekaran, M., Sahoo, A.K.

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

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A study on de-contamination of dairy wastewater using natural coagulants

Mishra, L., Bhowmik, P.N., Anand, P., Sudheer Kumar, Y.

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

***Aip Conference Proceedings*, 2025**

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Agriculture Crop Selection and Yield Forecasting Using Machine Learning Algorithms

Rangasamy, K., Chaganti, P.K.R., Vedururu, S., Buchupalli, S., Reddy, V.K.K.

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

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From Vision to Impact: Reflections and Roadmaps From IEEE's NANO CRHES 2024 Summer School

Jayaprakasan, V., Kumar, C., Lodi, M.B., Pierantoni, L., Sivasubramani, S.

***IEEE Nanotechnology Magazine*, 2025**

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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.

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Crop Yield Prediction Based on the Characteristics of Agricultural Environment

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Deep Learning Driven - Pest Classification and Sustainable Agriculture

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

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Assessing the Impact of ESG Factors on Firm Performance: Empirical Evidence from CRIP Sector

Rajath, B.S., Abhilash, G., Devarajappa, S., ...Priyanka, H.B., Kalli, R.

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Innovative approaches to sustainable construction: a detailed study of rice husk ash as an eco-friendly substitute in cement production

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Discover Applied Sciences, 2024

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

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Maharajan, M.S., Balakrishnan, T.P., Amanullah, M., Gayathiri Devi, G., Punitha, A.

International Journal of Intelligent Systems and Applications in Engineering, 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

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Automating the Detection of Road Damage via the Use of UAV-Captured Images and the YOLO

Saikiran, N.G., Sandeep, M., Rao, N.T., ...Lakshmi, M.R., Bhaskar, P.

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

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Novel Metrics Introduced to Quantify the Level of Circularity in Business Models Enabled by Open Innovation

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Artificial Intelligence Model for Machinability Investigations on Drilling of AA6061 with Micro Textured Tool for Automobile Applications

Narasimhamu, K.L., Manikandan, N., Pasupuleti, T., Narapureddy, S.R., Sivaiah, P.

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