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9 INDUSTRY, INNOVATION
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Digital Twin-Enabled Smart Manufacturing: Challenges and Future Directions

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Artificial Intelligence-Enabled Digital Twin for Smart Manufacturing, 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.

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A novel approach to node coverage enhancement in wireless sensor networks using walrus optimization algorithm

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Optimized memory allocation in edge-PLCs using Deep Q-Networks and bidirectional LSTM with Quantum Genetic Algorithm

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Mechanical, wear, hydrophobic, and thermal behavior of waste cassava root cellulose and twill-weaved banana fiber-reinforced unsaturated polyester composites

Somasundaram, S., Manoj Kumar, S., Hanish Anand, S., Muthulakshmanan, A.

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Emerging trends in edge AI for Industry 4.0 and 5.0: Technologies, applications, and challenges

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Advancing Smart Cyber Physical System with Self-Adaptive Software

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Sharada Prasad, N., Goritoyal, C., Ramana, N.V., ...Sukania, P., Sampath, B.

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INTRUSION DETECTION SYSTEM FOR CYBER SECURITY IN SMART AGRICULTURE WITH ABCIS TECHNIQUES

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Recycling glass waste into concrete aggregates: enhancing mechanical properties and sustainability

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

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Association Between Demographic Factors and Internet Banking Usage

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Carbon Nanotube-Based Polymer Nanocomposites for Aerospace Applications

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Smart Vending Machines: Improving Service Quality with Integrated Controllers and SVM Algorithm

Rajesh, K.S., Kalaiselvi, S., Sathyanathan, P., ...Kavitha, G.C., Murugan, S.

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

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EFFICIENT POWER-AWARE PROTOCOLS FOR GREEN COGNITIVE RADIO NETWORKS IN INDUSTRIAL COMMUNICATIONS

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Bommireddy, P.R., M, C.S., Lee, Y., ...Mallesham, G., Park, S.

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Integrating the Bigdata and Deep Learning Analysis Human Movement to Improve the Sports

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

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