

Editorial Comments Volume 4 Issue 4

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Volume 4, Issue 4 of the *Journal of Computers, Mechanical and Management (JCMM)* presented a collection of interdisciplinary research contributions that explored the intersection of smart technologies, sustainable systems, and secure infrastructures. The issue featured **four original research articles** and **one mini-review**, addressing applications in smart cities, blockchain-integrated IoT systems, sustainable transportation, secure manufacturing, and nanocomposite materials.

Naresh Thoutam et al. [1] investigated the performance gains offered by edge computing in smart city applications. Their simulation-driven study revealed *an 86.67% latency reduction, 61.11% bandwidth savings, and 58.33% energy efficiency gains*, supporting the case for decentralized processing in urban environments. **Chetan Chauhan et al.** [2] proposed a blockchain-based framework that enhanced secure communication in smart IoT systems. Leveraging symmetric encryption, consensus protocols, and smart contracts, their architecture demonstrated resilience to cyber threats while maintaining communication integrity and low latency. **Munmun Kakkar et al.** [3] offered a mini-review on the role of electric vehicles (EVs) in sustainable transportation. Drawing from global policy trends, life-cycle data, and infrastructure analysis, the review outlined key enablers and challenges in scaling EV adoption, including battery sustainability, grid integration, and equity in access. **Anamika Singh et al.** [4] presented a simulation-based framework for AR-enabled smart manufacturing that integrated machine learning and blockchain. Their study showed improvements in task efficiency (25%), safety (40%), and training duration (35%), demonstrating the feasibility of immersive, secure, and intelligent industrial operations under the Industry 4.0 paradigm. **Manindra Trihotri and U.K. Dwivedi** [5] analyzed the dielectric and electrical behavior of carbon nanotube and carbon black-epoxy nanocomposites. Their experimental results revealed that filler type and frequency significantly influenced activation energy and dielectric constants, offering insights for high-performance material design in electronics and energy storage.

Announcement

We are pleased to announce that the *Journal of Computers, Mechanical and Management* was officially assigned the **ISSN (Online): 3009-075X** by the ISSN National Centre for Malaysia on **8 September 2025**. This registration marked a milestone in the journal's growth, enhancing its visibility, discoverability, and prospects for indexing. As Editor-in-Chief, I thank the editorial board, authors, reviewers, and publishing partners for their support in upholding the journal's standards. We invite researchers to submit original manuscripts and participate in future special issues as we continue our mission to publish impactful, interdisciplinary research at the intersection of computing, engineering, and management.

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