

Editorial Comments: JCMM Volume 2 Issue 5

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This issue of the *Journal of Computers, Mechanical and Management* (JCMM) presents a diverse collection of research articles focused on cloud computing, mobile networks, materials engineering, and blockchain in healthcare. Here we provide a summary of each article, highlighting their contributions to the field.

The first article, Evaluating the Advantages and Challenges of Mobile Ad-Hoc Networks by Poonia and Balai, delves into Mobile Ad-Hoc Networks (MANETs), examining the efficiency of the Krill Herd-based Grasshopper Optimization Algorithm (KH-GOA) in secure and energy-efficient routing protocols. The proposed model demonstrates enhanced performance in terms of energy efficiency and reduced latency, making MANETs more reliable for applications like emergency response and military operations [1].

Jayesh et al.s study, Revolutionizing Organ Donation With Blockchain Technology, explores blockchains role in addressing organ donations critical challenges. By leveraging smart contracts for transparent and secure donor-recipient matching, the authors illustrate how blockchain can streamline processes and enhance data security, potentially transforming the healthcare system [2].

In Enhancing Aluminum Matrix Composites with Hexagonal Boron Nitride (hBN) Particulates, Singh et al. review the mechanical improvements in aluminum composites due to hBN reinforcement. Their work discusses processing techniques such as powder metallurgy and stir casting, providing valuable insights for aerospace and automotive applications [3].

Yadav, Varshney, and Kumar present Intelligent Cloudlet Scheduling for Optimized Execution Time in Cloud Computing Environments, where they propose a heuristic-based scheduling algorithm to minimize execution times in cloud environments. This approach, validated using the CloudSim toolkit, indicates substantial improvements in cloud service efficiency [4].

In another cloud computing-focused article, Optimizing Task Scheduling using Hybrid Swarm Optimization, Kumar, Dugal, and Singh introduce a hybrid algorithm combining Particle Swarm Optimization (PSO) with Salp Swarm Optimization (SSO). Their hybrid approach demonstrates superior performance in resource utilization and task execution efficiency when compared to traditional methods [5].

This issue of JCMM provides insightful research that reflects the journals commitment to advancing knowledge in areas of computing, engineering, and healthcare technologies.

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