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In Volume 3, Issue 3 of the *Journal of Computers, Mechanical and Management* (JCMM), we present a collection of studies addressing innovations in facial recognition, healthcare, and digital banking, alongside reflections on tissue engineering. This issue showcases advancements in leveraging technology for efficient healthcare, enhanced security, and practical applications in diverse fields.

The first article by Sharma and Singh [1], Optimizing Facial Expression Recognition with Biogeography-Based Feature Selection, investigates a novel approach for feature selection using a Biogeography-Based Optimization (BBO) algorithm to improve facial expression recognition accuracy. By leveraging Support Vector Machines (SVM) with cross-validation accuracy as the evaluation criterion, the authors demonstrate superior classification performance on databases like JAFFE and CK+, outperforming traditional methods.

Sooriyaperakasam's [2] The Applications of Tissue Engineering: A Beginner's Perspective on Burn Treatment and Cancer Drug Delivery provides an accessible overview of tissue engineering, emphasizing its utility in treating burn injuries and delivering drugs for cancer therapy. This short communication highlights the importance of tissue scaffolds in skin regeneration and the role of nanocarriers in targeted drug delivery, making complex concepts approachable for newcomers to the field.

In The Role of QR Code Technology in Revolutionizing Banking, Bhattacharya and Singla [3] explore the transformative impact of QR code technology on banking, especially in facilitating secure transactions and enhancing customer experiences. They analyze various applications of QR codes, including data encryption and dynamic QR codes, which provide added security and convenience in digital banking. This study underscores the increasing integration of QR codes in modern banking systems.

Quadras et al. [4] delve into healthcare supply chain efficiency in their article, Innovative Strategies in Lean Supply Chain Management: Enhancing Efficiency in Healthcare. The authors investigate Lean methodologies such as Just-in-Time (JIT) inventory systems and predictive analytics for optimizing supply chains in healthcare settings. Through case studies, they highlight the significant improvements in cost reduction, waste minimization, and patient satisfaction achievable through Lean principles.

Finally, Mudiyanselage's [5] Deep Learning-Based Diagnosis of Pneumonia Using Convolutional Neural Networks employs convolutional neural networks (CNN) for pneumonia diagnosis using chest X-ray images. The study details the model architecture, training, and results, achieving a precision of 83.16% and recall of 68.37%, showcasing the potential of AI in medical diagnostics. Further hyperparameter tuning is suggested to enhance diagnostic accuracy.

This issue exemplifies JCMM's commitment to advancing interdisciplinary research in technology, healthcare, and management, providing a platform for sharing innovative solutions to contemporary challenges.

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