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Editorial

EDITORIAL: Celebrating a Milestone: Journal Impact Factor Achievement and the Future of the IJIEM

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It is with great pleasure and excitement that I share with you a momentous achievement for the International Journal of Industrial Engineering and Management (IJIEM). We have recently received our inaugural Journal Impact Factor (JIF), a significant milestone that reflects the growing recognition and influence of our journal within the category *engineering, industrial*. The JIF serves as a quantitative measure of a journal's importance and reach within the academic community. It represents the average number of citations received by articles published in the journal over a specific period. Achieving this milestone signifies that the scholarly work published in our journal is making a meaningful impact and contributing to the advancement of industrial engineering and production management knowledge.

This accomplishment would not have been possible without the invaluable contributions of our esteemed authors, diligent reviewers, and dedicated editorial board members. We extend our heartfelt gratitude to each and every one of you for your unwavering commitment to excellence and scholarly rigor. Your passion for research and dedication to advancing the field have played an instrumental role in elevating the journal's stature.

The attainment of a JIF brings about new opportunities and responsibilities. As we celebrate this achievement, we also recognize the need for continued growth and development of the IJIEM journal. In light of this, we would like to propose several avenues for further enhancing the journal's impact and expanding its reach:

(1) Broadening the Scope: Industrial engineering is an interdisciplinary field that intersects with various domains. We encourage submissions that explore the intersections of industrial engineering and production management with related disciplines such as artificial intelligence, supply chain management, quality management, and sustainability. By broadening the scope of the journal, we aim to foster cross-disciplinary collaborations and promote holistic approaches to industrial engineering challenges.

(2) Encouraging Innovation and Practical Applications: As industrial engineering evolves, so too do the challenges faced by practitioners and researchers. We encourage authors to submit articles that highlight innovative methodologies, practical applications, and case studies that demonstrate the real-world

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impact of industrial engineering and production management principles. By showcasing cutting-edge research and its practical implications, we aim to bridge the gap between theory and practice and provide valuable insights to our readers.

(3) Enhancing International Collaboration: Industrial engineering is a global discipline, and we recognize the importance of fostering international collaboration and knowledge exchange. We encourage authors from around the world to submit their work to the IJIEM, bringing diverse perspectives and enriching the scholarly discourse. We also aim to forge partnerships with international research institutions and organizations to promote collaborative research and joint initiatives. We express our profound gratitude to the IFIP Working Group 5.7 on Advances in Production Management Systems for acknowledging the IJIEM as a collaborative partner journal. This acknowledgment serves as a testament to the scholarly contributions and relevance of the IJIEM within the field of production management. The recognition further strengthens the journal's standing and reinforces its commitment to fostering advancements in industrial engineering and management.

(4) Promoting Open Access and Accessibility: We believe that knowledge should be accessible to all. Therefore, we are committed to exploring open access options and initiatives that enable wider dissemination of research findings. Open access promotes inclusivity, facilitates knowledge sharing, and increases the visibility of authors' work. We will continue to explore opportunities to make our content more accessible while ensuring the sustainability and quality of the journal.

As we embark on this exciting new chapter, we invite you, our esteemed readers and contributors, to actively participate in shaping the future of the IJEM. Your insights, feedback, and suggestions are invaluable to us as we strive to continually improve and meet the evolving needs of the industrial engineering and production management community.

Finally, I would like to express my deep appreciation to the entire editorial team, including our editorial board members and editorial assistants. Your dedication, expertise, and commitment to maintaining the highest standards of academic publishing have been instrumental in our success.

The aim and structure of this Issue

In this issue, we bring to you a diverse array of research articles that showcase the continuous evolution and adaptation of industrial engineering practices to meet the demands of modern production environments. These articles offer valuable insights and practical applications that are highly relevant to today's industrial landscape.

Our first featured article 'Lean 4.0: An analytical approach for hydraulic system maintenance in a production line of steel making plant' by *N. Torre, C. Leo,* and *A. Bonamigo*, presents an analytical approach to hydraulic system maintenance within a steelmaking plant. In an era marked by Industry 4.0, the integration of lean principles into maintenance operations is critical for enhancing efficiency and reducing downtime. *Torre, Leo*, and *Bonamigo* delve into the specifics of this integration and demonstrate its applicability in the demanding steel production sector. By adopting Lean 4.0 principles, this study sets a precedent for optimizing maintenance practices across various industries.

The second article 'Maintenance Performance Optimization for Critical Subsystems in Cement Pre-Grinding Section: A Case Study Approach', in this issue offers a practical case study on optimizing maintenance performance in the cement pre-grinding section. *P. Nganga, J. Wakiru*, and *P. Muchiri* shed light on the challenges faced by the cement industry and present a meticulous approach to addressing critical subsystem maintenance. Their work showcases the importance of data-driven decision-making and preventative maintenance strategies, serving as a valuable reference for professionals in the cement manufacturing sector.

Moving beyond maintenance, our journal explores broader topics within industrial engineering. *K. A. Souhli* and *A. En-nadi* present an empirical study focusing on the adoption of Green Supply Chain Management (GSCM) practices in Moroccan firms. in the article 'Adoption of GSCM Practices and Sensitivity/influencing Factors: An Empirical Study at the Moroccan Firm Level'. Sustainability and responsible supply chain management are becoming increasingly crucial in today's globalized world. This research offers significant insights into the factors influencing GSCM adoption, contributing to the ongoing discourse on sustainable business practices.

The fourth article 'Application of the SMED methodology through folding references for a bus manufacturing company' by *A. Juárez-Vite, J. R. Corona-Armenta, H. Rivera-Gómez, O. Montaño-Arango,* and *J. Medina-Marín* offer a case study that exemplifies how SMED can be adapted to streamline production processes, reduce changeover times, and enhance overall operational efficiency. Their work provides valuable lessons for manufacturing firms seeking to optimize their production lines.

In a world increasingly concerned about sustainability and renewable resources, the fifth article 'Residual Forestry Biomass Supply Chain: A Mapping Approach' explores the complex supply chain of residual forestry biomass. *P. Rijal, P. Bras, S. Garrido, J. Matias, C. Pimentel,* and *H. Carvalho* employ a mapping approach to comprehensively understand and optimize this supply chain. Their research contributes to the advancement of sustainable practices within the forestry industry, aligning with global efforts to combat climate change.

Our final featured article 'Application of Quality Function Deployment (QFD) in Die Redesign to Lowering Rework of Stamping Parts' by *A. M. Muslimin, D. Luqyana, A. M. Muhamad,* and *C. Nur Rosyidi* present a case study on die redesign, emphasizing how QFD can significantly reduce rework in the production of stamping parts. This research underscores the vital role of quality management in achieving efficiency and customer satisfaction.

Dedication

On a special note, we would like to dedicate this issue to our esteemed Professor Emeritus Ilija Cosic, who is celebrating his 75th birthday. Professor Cosic has been a guiding light in the field of industrial engineering and management, inspiring generations of researchers and practitioners with his wisdom, knowledge, and unwavering dedication to the discipline. His profound impact on our journal and the industrial engineering community at large is immeasurable. We extend our heartfelt congratulations to Professor Cosic on reaching this remarkable milestone and express our deepest gratitude for his enduring contributions to our field. May this issue serve as a token of our admiration and appreciation for his lifelong commitment to excellence in industrial engineering and management.