

# Interdisciplinary Pathways for Innovation in Construction and Management

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Editorial

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This issue brings together a diverse collection that contributes to advancing theory, practice, and innovation across construction management, engineering, business strategy, and technology-driven decision-making in the form of ten selected double-blind peer-reviewed papers. By combining perspectives from human-centered management and cutting-edge technologies, the articles presented in this issue underscore the necessity of interdisciplinary approaches to contemporary challenges. Whether in construction, energy, disaster management, automobile manufacturing, or corporate strategy, the studies collectively reaffirm that sustainable progress depends on the synergistic integration of people, processes, and digital tools.

Studies on emotional intelligence in project value co-creation, strategic customer engagement in marketing, and risk mitigation in housing development highlight the critical role of management strategies and structured decision-making in creating value. Complementing these insights, contributions on BIM-based formwork planning, inventory management, drone-enabled safety monitoring, renewable energy forecasting with AI, IoT applications for earthquake mitigation, and big data approaches to employee performance evaluation illustrate how digital technologies are transforming practice and enabling data-driven solutions. In this context, the paper on supplier selection for automobile manufacturing companies using improved hierarchical analysis and an intelligent optimization algorithm further exemplifies how hybrid decision-support frameworks can combine rigorous evaluation methods with computational optimization to address complex, real-world challenges in industry. By bridging multi-criteria analysis with intelligent algorithms, it highlights the growing importance of integrating structured decision-making with digital innovation in supply chain management and beyond. Together, these works emphasize that progress in contemporary industries requires the integration of organizational insight with technological advancement.

The editorial team extends its sincere appreciation to all authors for their valuable contributions and to the reviewers for their careful evaluations and constructive feedback, which have greatly strengthened the quality of this issue. Their commitment and expertise ensure the continued advancement of scholarship in our field. Finally, we encourage readers to actively engage with this content and contribute to advancing the intersection of human, organizational, and technological dimensions in tackling contemporary challenges within both the construction industry and broader management contexts.