Environmental Engineering and Management Journal



"Gheorghe Asachi" Technical University of Iasi, Romania



ALIGNMENT OF INTEGRATED MANAGEMENT SYSTEMS WITH MODERN MANAGEMENT TRENDS: A FACT-BASED REVIEW

Zeynep Ergat^{1*}, Zeynep Tuğçe Kalender², Ozalp Vayvay³

¹Marmara University, Institute of Pure and Applied Sciences, Department of Occupational Safety, Istanbul, Turkey ²Marmara University, Faculty of Engineering, Department of Industrial Engineering, Istanbul, Turkey ³Istanbul Health and Technology University, Faculty of Economics, Administrative and Social Sciences, Istanbul, Turkey

Abstract

In today's dynamic business environment, organizations are increasingly adopting Integrated Management Systems to streamline their operations and enhance performance across various domains. However, implementing Integrated Management Systems is challenging due to the complexity of integrating various management systems and overcoming cultural resistance within organizations. Additionally, limited understanding of how Integrated Management Systems align with emerging trends such as lean management, sustainability and agile management, hindering organizations' ability to leverage integrated systems to effectively navigate complexities and capitalize on opportunities in the rapidly evolving business landscape. This study synthesizes existing research to examine how Integrated Management Systems can be improved with alignment of the modern management trends by analysing the literature. In this review, the relationship between IMS and sustainability, the impact and contribution of agile and lean management on the environmental, social and economic dimensions of sustainability were determined. The findings underscore that while Integrated Management Systems implementation enhances efficiency, its success hinges on overcoming integration complexities and cultural resistance. This review reveals that aligning it with contemporary management trends not only supports continuous improvement but also strengthens environmental, social, and economic sustainability. Key insights emphasize the importance of agility and risk anticipation, as well as the critical role of human and cultural factors in every process. These findings offer valuable implications for both theory and practice, providing a foundation for future research to foster resilience and adaptability in today's dynamic business environment.

Key words: environmental management systems, integrated management system, lean management, strategic management, sustainability

Received: July, 2024; Revised final: November, 2024; Accepted: January, 2025

^{*} Author to whom all correspondence should be addressed: e-mail: pnyz_34@hotmail.com; Phone: +9005376004084; Fax: +9005376004084