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SUSTAINABILITY OF WASTEWATER MANAGEMENT IN TEXTILE SECTORS: A CONCEPTUAL FRAMEWORK

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Abstract

The main focus of the current research work is an identification of sustainability of textile wastewater management (STWM) practices and subsequently to suggest a conceptual framework that influences the STWM practices on performance improvement. By exhaustive literature review, STWM practices are examined and designated highly significant STWM practices for further analysis. The proposed design shows a clear interpretation of sustainable textile wastewater management that depends on economic performance, environmental impact, and operational performance. This framework mainly provides information to society, textile sectors, labors, manufactures as well as users to reduce the wastes by implementing suitable waste management strategies. It is also observed that this study can provide new direction to the textile manufacturing sectors for determining other related practices as well as performances for future study. Hence, sustainable waste management innovative technique needs to be applied initially in developing countries to implement new technology, new vision, labor awareness program, and policymakers' initiation.

Key words: framework, sustainability, textile waste management, technology

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