

Special Issue

Waste Treatment and Environmental Sustainability: Current Trends, Challenges and Management Strategies

Message from the Guest Editors

Numerous hazardous pollutants and metals are present in solid waste (municipal solid waste, E-waste, plastic waste, construction and demolition waste, etc.) that can directly affect the environment and human health. These pollutants are very hazardous. The conventional methods for treatment and degradation of such kind of pollutants are not effective. To cope with the various problems generated for waste disposal, some processes, such as bioremediation, phytoremediation, and green technologies are usually accepted for achieving sustainable development. We welcome articles that relate to the following major areas of research: Identification and profiling of pollutants from waste; Degradation of hazardous pollutants using green technology; Novel technologies for resource recovery from waste; Application of membrane technology in waste treatment process; Waste management and its application to achieve circular economy; Profiling of microbial community during bioremediation of waste management; Application of life cycle assessment (LCA) in solid waste management;

Guest Editors

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Deadline for manuscript submissions

closed (10 April 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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