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Effects of Bio-Processes to Remediate Contaminated Soil, Clean Wastewater and Treat Solid Waste on Environmental Safety, Public Health, Social Acceptance and Economic Growth

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Deadline for manuscript submissions:
closed (28 February 2022)

Message from the Guest Editors

It is well known that the environment pollution level and the alteration of ecosystems are increasing rapidly worldwide in pace with industrialization growth and the fulfillment of human needs.

Bioremediation is a natural process responsible for the removal and/or decomposition of pollutants through the action of microorganisms from different matrices—natural ones like water, soil, and air, as well as anthropogenically produced ones like wastewater and solid and gaseous waste.

Biological treatment processes are superior to other physicochemical processes, because they have comparable pollutant removal efficiency while having a lower energy demand and milder operating conditions for the mineralization and/or detoxification of pollutants since bioremediation is conducted by biotic components.

This Special Issue welcomes the submission of original research papers using different study designs at different operational scales, as well as systematic reviews and meta-analyses.

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

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