Bioremediation of Wastewater Contaminants: Innovations and Challenges

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Message from the Guest Editors

Contaminants in wastewater are a continuous environmental concern, and with the rapid increase in the human population, wastewater treatment has become increasingly significant. Meeting strict guidelines for wastewater reuse and discharge necessitates innovative treatment techniques and strategies. Bioremediation, utilizing plants, microorganisms, and plant-microorganism associations, has emerged as a promising eco-friendly, cost-effective, and efficient biological process for transforming pollutants into non-harmful or non-toxic substances. This Special Issue calls for original articles on bioremediation of wastewater contaminants, focusing on innovations and challenges. Topics include variables in bioremediation processes, technology development for monitoring and treatment, recent advances, and efficient processes at different scales (nano, pilot, and real). Survey papers and reviews are also welcome.

Keywords: bioremediation; contamination removal; wastewater treatment

Special Issue

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Message from the Editor-in-Chief

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