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Application of Biosorbents in Environmental Purification

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Deadline for manuscript submissions:
closed (15 October 2024)

Message from the Guest Editors

Dear Colleagues,

Addressing environmental pollution, a global concern will require innovative and sustainable solutions. Biosorbents, derived from biomass or microorganisms, have gained increasing attention for their potential use in environmental purification due to their remarkable capacity to adsorb a wide array of contaminants, including heavy metals, organic pollutants, gases, and emerging contaminants such as pharmaceuticals and microplastics.

Research in this field encompasses the development and modification of biosorbents to enhance their efficacy, the elucidation of adsorption mechanisms and kinetics, and the application of biosorbents in various environmental scenarios. Studies have shown the cost-effectiveness, eco-friendliness, and versatility of biosorbents, making them valuable tools for water and wastewater treatment, air purification, and soil remediation.

Therefore, this Special Issue aims to consolidate and disseminate knowledge in the field. We invite you to contribute your research article, communication, or review related to the application of biosorbents in environmental purification.

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Message from the Editor-in-Chief

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