Special Issue

Application of Biosorbents in Environmental Purification

Message from the Guest Editors

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.

Guest Editors

Dr. Ventura Castillo Ramos

Department of Chemical Engineering, Faculty of Sciences, University of Granada, Granada, Spain

Prof. Dr. Manuel Sánchez-Polo

Department of Inorganic Chemistry, Faculty of Pharmacy, University of Granada, Granada, Spain

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Separations
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
separations@mdpi.com

mdpi.com/journal/separations

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Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

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