Special Issue

Bioremediation of Wastewater Contaminants: Innovations and Challenges

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

Guest Editors

Prof. Dr. Maria Adelaide Araújo Almeida

- 1. Department of Technologies and Applied Sciences, School of Agriculture, Polytechnic Institute of Beja (IPBeja), 7800-309 Beja, Portugal
- 2. Fiber Materials and Environmental Technologies (FibeEnTech), University of Beira Interior, 6201-001 Covilhã, Portugal

Dr. Renata Alexandra Ferreira

- Department of Technologies and Applied Sciences, School of Agriculture, Polytechnic Institute of Beja (IPBeja), 7800-309 Beja, Portugal
- 2. Center for Natural Resources and Environment (CERENA), University of Lisbon, 1049-001 Lisbon, Portugal

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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