Special Issue

Biosurfactant/Nanoparticle Applications for the Treatment of Pollutants in Soil and Water

Message from the Guest Editors

The remediation of water and soil is considered to be the reconciliation between the advancement of world civilisation and the demand for a sustainable environment. Many promising materials and technologies have been developed in recent times for the removal of various pollutants from different environmental matrices. The ever-growing interest in modified nanoparticles and biosurfactants is leading to the development of wonderful materials and technologies. They have gained wide attention in different energy and environmental applications, including in the selective uptake of contaminants from major environmental matrices such as soil and water. Biosurfactants are a large number of amphipathic biomolecules and the modification of nanoparticles means tailoring them in terms of shape, size, functionalisation, etc. The advantages of these tailored nanoparticles and biosurfactants not only lie in their high reactivity due to enormous surface areas, but also in their unique properties such as adjustable pore sizes, desired surface structures, multifunctional abilities, and the possibility of loading into different matrices for both batch and column operations.....

Guest Editors

Dr. Hirakendu Basu
Bhabha Atomic Research Centre, Mumbai, Maharashtra, India
Dr. Sharf Ilahi Siddiqui
Ramjas College, University of Delhi, New Delhi, India

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

mdpi.com/journal/water

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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