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Sustainable Processes for the Removing of Heavy Metals from Aqueous Solutions

Guest Editors:

Dr. Cristina Palet
Grup de Tècniques de Separació en Química, Unitat Química Analítica, Departament de Química, Facultat de Ciències, Universitat Autònoma de Barcelona, 08193 Bellaterra, Spain

Dr. Julio Bastos-Arrieta
1. Department of Chemical Engineering and Analytical Chemistry, University of Barcelona, Barcelona, Spain
2. Institut de Recerca de l'Aigua (IdRA), University of Barcelona, Barcelona, Spain

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Message from the Guest Editors

This Special Issue attempts to summarize the state-of-the-art of current macro-, micro- and nanotechnologies for water purification, discussing their field of application specially for heavy metal ion removal.

For instance, this Special Issue aims to present the recently available information on utilizing different biomass materials for heavy metals removal, highlighting the increasing use of these materials due to their low cost, regeneration ability, high adsorption efficiency, and small chemical or biological sludge with a possibility of metal recovery.

Furthermore, the selected contributions will be considered from the technology used in each case, and in the context of their sustainability. One important purpose of this Special Issue is to ensure the possible implementation in real applications of technologic tools developed under interesting research funded projects. So, this Special Issue will mainly focus on sustainable efficient approaches, that provide innovation and ease to implementation.

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Editor-in-Chief

Dr. Jean-Luc PROBST
Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

Message from the Editor-in-Chief

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.

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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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