Special Issue

New Technologies for the Remediation of Contaminated Industrial and Domestic Wastewaters

Message from the Guest Editors

As the demand for water continues to increase due to rapid population growth and industrial activities, the available water resources are becoming increasingly limited. The spread of heavy metals in the environment is happening at a faster rate than what can be removed through natural processes, leading to their rapid accumulation. Unlike organic pollutants, heavy metals do not break down easily and can persist in soil, water, sediment, and living organisms, transferring from one organism to another through the food chain and ultimately reaching humans. The biggest concern is the potential sources of pollutants entering the food chain and contaminating drinking water. The treatment of these polluted waters through conventional methods is expensive and difficult. In recent years, remediation techniques have emerged as a more cost-effective, quick, and easy alternative compared to other methods. This Special Issue invites submissions of studies addressing pollution from both natural and anthropogenic sources, efforts to reduce this pollution, and the use of nature-based methods for treating these wastewaters.

Guest Editors

Prof. Dr. Ahmet Şaşmaz
Department of Geological Engineering, Engineering Faculty, Firat University, Elazig 23119, Turkey

Dr. Merve Sasmaz Kislioglu
BRAINWAVES, University College Cork, Cork, Ireland

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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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