Special Issue

The PFAS (Perfluoroalkyl and Polyfluoroalkyl Substances) Challenges: Environmental Impact and Alternative Treatments

Message from the Guest Editors

One of the most urgent problems in water management and treatment is the presence of per- and polyfluoroalkyl compounds (PFAS). Given their nature and potential for bioaccumulation, it is crucial to adopt a multidisciplinary approach that examines the full spectrum of their impact, ranging from potential toxic effects on human health to broader environmental implications.

This Special Issue presents a comprehensive analysis of PFAS in an effort to further our understanding of these substances. We invite to submit research articles, innovative methodologies, protocols, critical reviews that explore various aspects of PFAS. Topics of interest include, but are not limited to, exposure pathways, hazard assessment, metabolic processes, environmental fate, and the development of effective treatment and degradation methods. We are also particularly interested in studies that highlight the effects of PFAS on biomasses adopted in traditional wastewater treatment plants, and works that face challenges when dealing with these persistent contaminants.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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