Special Issue

Sources, Fate, and Environmental Impacts of PFAS in Aquatic Ecosystems

Message from the Guest Editors

Per- and Polyfluorinated Substances (PFAS) are the so-called forever chemicals, as a result of their extremely high persistence in the environment. PFAS are widely used in everyday products, and there are evidences that PAFS can migrate to plants and aquaitc organisms, thereby affecting aquatic ecosystems. Extensive research has been conducted on PFAS sources, behaviour and toxicity. However, such studies are often confined to specific environment (water, soil etc), or limited number of compounds (as few as one compound). The presence of multiple PFAS including newer compounds are under-explored, especially their multi-media interactions and mixture effects on plants, animals and potentually human health.

This Special Issue aims to gather current research on PFAS mixtures especially newer compounds in the different environmental compartments, including their sources, environmental behaviour and adverse impacts. Both orignal research and critical review articles are welcome. In addition to experimental studies, modeling work by using machine learning and other AI tools are valuable contributions.

Guest Editors

Dr. Mohammad Boshir Ahmed

Institute for Sustainability, Energy and Resources, School of Chemical Engineering, The University of Adelaide, North Terrace, Adelaide, SA 5005, Australia

Prof. Dr. John Zhou

School of Civil and Environmental Engineering, Faculty of Engineering and I.T., University of Technology Sydney, Ultimo, NSW 2007, Australia

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

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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
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