Special Issue

Water Quality and Aquatic Organic Matter Fluorescence

Message from the Guest Editors

Declining water quality is an ever-escalating global issue. There has been an increasing interest in characterising aquatic fluorescent organic matter (AFOM) in the past few decades. This has been part of the response to the increasing need to understand and monitor water quality across the globe. Much of this research has focussed on the properties of the organic matter and decomposing spectra. However, technological developments and advances in knowledge, via academic research, means this area is now moving towards novel sensing technologies for applied sensing in the field. Recent work has also highlighted the importance of microbial interactions on AFOM production and consumption.

This Special Issue invites research which follows on from recent developments in the area of water quality and aquatic organic matter fluorescence. In particular, we aim to highlight work being undertaken to advance the field via laboratory experiments and/or field work. Particular interest will be taken in research which employs novel technologies for aquatic monitoring, as well as studies into the relationship, and interactions, between microbial communities, the aquatic ecosystem, and AFOM.

Guest Editors

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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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