Special Issue

Characterization of Organic Matter in Marine and Freshwater Environment

Message from the Guest Editors

Organic matter in marine and freshwater environments has a complex chemical composition and physico-chemical properties that depend on its source, interactions, and possibilities for biogeochemical transformation and preservation. The influence of the living world, from the smallest phytoplankton and microbes to larger zooplankton, as well as the geology of the aquatic system are crucial to understanding the role of organic matter in water and the possible role of oceans, seas, and lakes in carbon sequestration... Qualitative and quantitative characterization of heterogeneous natural organic matter remains a major challenge for chemists and oceanographers around the world and requires the development of new separation methods and highly sensitive analytical methods. The aim of this Special Issue is to publish high-quality original research papers and review articles addressing recent advances in the characterization of global or local natural organic matter, the use of new methods, and/or developments in monitoring. For further reading, please visit the ***Special Issue website***.

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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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