Special Issue

Physico-Chemical Reactions of Fe and Cu in Natural Waters

Message from the Guest Editors

The chemistry of iron (Fe) and copper (Cu) in natural waters is a key topic due to their roles as essential trace elements for life. This has led to a widespread interest in the distribution patterns of these two elements within aquatic environments. The distribution, transport, and bioavailability of iron and copper strongly depend on hydrodynamic conditions, the physico-chemical properties of the water, and the physical and chemical speciation of these elements. In addition, the constant variations due to the effects of climate change as well as pollution in ocean and coastal waters are directly affecting Fe and Cu chemistry in terms of redox, speciation, complexation, and mobility.

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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.

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