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Insights into Organic Carbon, Iron, Metals and Phosphorus Dynamics in Freshwaters

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Deadline for manuscript submissions:
closed (31 March 2022)

Message from the Guest Editor

Dear Colleagues,

This Special Issue welcomes articles dedicated to all aspects of the behavior of organic carbon, phosphorus, iron (and other related metals) in a broad range of freshwater environments, from soil solutions and groundwaters to ponds, lakes, rivers, and their riparian zones and estuaries. Of special interest are papers dealing with the fate of OC, P, and Fe due to the impact of climate change and human activities on aquatic ecosystems, including both anthropogenically altered and pristine regions. Works dealing with biogeochemical cycles in aquatic ecosystems mostly affected by climate change and exhibiting high C and Fe concentrations (boreal and subarctic rivers and lakes, wetlands, floodplains) are perfectly suited for this Special Issue.

Papers on field, experimental, and modeling studies related to dissolved and particulate OC, Fe, and P may focus on climate warming, permafrost thaw, floods, eutrophication, acidification, pollution, and the recovery of aquatic environments, though other contexts are also of interest.

For more information on this Issue, please click here to 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.

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