Special Issue

Biogeochemistry of Natural Waters: Natural and Anthropogenic Factors, Climate and Ecosystems Changes

Message from the Guest Editor

Natural waters play a decisive role in biogeochemical cycles and in maintaining the stability of the biosphere. The impact of global climate change and other various anthropogenic impacts change the existing balances, chemical composition, and ecosystem stability in water systems. An increase or decrease in the supply of heavy metal ions, toxic organic substances, biological pollution, etc., changes the biological and chemical status of water. The study of the chemical and biogeochemical composition and element speciation of a water system makes it possible to assess the level of restoration or degradation and the contribution of global and local pollution. The study of underground and soil waters allows one to analyze the changes in biogeochemical migration and changes in the element cycles. Long-term studies of small lakes, rivers, and groundwater are important for assessing global changes in ecosystems. Modern, informational parameters indicating the evolution of the biosphere include element speciation, quality of organic matter, isotope ratios of the elements, and the mutual influence of the components on each other.

Guest Editor

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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

Dr. Jean-Luc PROBST
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