Special Issue

Pollution Mechanisms and Source Apportionment of Typical Pollutants in Aquatic Environments

Message from the Guest Editor

This Special Issue focuses on the pollution mechanisms and source apportionment of typical pollutants in various water systems within a watershed, including rivers, lakes, and groundwater. It aims to provide a comprehensive and in-depth academic exchange platform for researchers of water environments. The content of this Special Issue will cover water quality assessments, the pollution mechanisms of typical pollutants, the migration and transformation processes of pollutants, source tracking of pollution, the development and application of water quality models, as well as ecological impact assessments caused by water quality changes. These research findings will not only help us more accurately understand the dynamics of water quality within the watershed, but also provide a solid theoretical basis for formulating scientific and effective water quality protection measures. We sincerely invite water environment scientists, engineers, policymakers, and water resource managers to participate in this Special Issue. Our goal is to promote comprehensive exchanges across disciplines and fields and jointly advance the process of water environmental protection and sustainable development.

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

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