Special Issue

Wetland Water Quality Monitoring and Assessment

Message from the Guest Editors

The water quality of wetlands affects biodiversity, ecosystem services, and sustainable development. To advance innovations in monitoring, optimize assessment methods, and promote science-based decisions for wetland conservation, this Special Issue focuses on “Wetland Water Quality Monitoring and Assessment.” We invite scholars, research institutions, and practitioners to contribute and advance knowledge in this field. Topics of interest include, but are not limited to: (1) high-precision water quality sensors, remote sensing, and in situ monitoring; (2) nitrogen, phosphorus, and other pollutant migration/transformation mechanisms and their ecological impacts; (3) dynamic modeling of hydro–water quality–biological interactions; (4) AI and machine learning in data analysis; (5) wetland ecosystem health evaluation based on water quality indicators; (6) efficacy verification and long-term strategies for water quality improvement in restoration projects. This Special Issue connects cutting-edge research with actionable solutions, fostering global collaboration for healthier wetlands.

Guest Editors

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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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