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Sustainable Watershed Management: Balancing Conservation and Development in Aquatic Ecosystems

Guest Editors:

Dr. Lingwei Kong

Key Laboratory of Coastal Environment and Resources of Zhejiang Province, School of Engineering, Westlake University, Hangzhou, Zhejiang 310030, China

Dr. Zhihua Xu

School of Environment and Architecture, University of Shanghai for Science and Technology, 516 Jungong Rd., Shanghai 200093, China

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Message from the Guest Editors

Aquatic ecosystems are structured by the interaction of physical, biological and chemical processes on multiple spatial and temporal scales. Recently, water pollution caused by various pollutants since the Industrial Revolution has significantly impacted the aquatic ecosystems. From the perspective of water-land coupling coordination, the significance of restoration efforts in the shore-water interface zone cannot be underestimated in mitigating ecological risks associated with terrestrial soil erosion and aquatic eutrophication. In this special issue, we focus on new theories, methods, and applications for the balancing conservation and development in aquatic ecosystems.

This Special Issue aims to provide an overview of recent research related to this field of interest, the topics of the Special Issue include, but are not limited to:

1. Emerging contaminants treatment theory and technologies in aquatic ecosystems
2. High value-added reuse of the biomass produced in aquatic ecosystems
3. Application of new materials for aquatic ecosystems
4. Water-land coupling coordination
5. Research on technology, management and planning for shoreline and water synergy.....



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Special Issue



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Dr. Jean-Luc PROBST

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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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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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