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Geographic Information Systems (GIS) and Water Resources Engineering toward Environmental Sustainability

Guest Editors:

Dr. Hao Zhang
Laboratory for Applied Earth Observation and Spatial Analysis (LAEOSA), Department of Environmental Science and Engineering, Fudan University, Shanghai, China

Dr. Xiaoying Yang
Department of Environmental Science and Engineering, Fudan University, Shanghai 200438, China

Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Essentially, water resources sustain the functionality of ecosystems, which is particularly vital for the human-dominated ecosystem that faces the challenges of natural hazards (e.g., flooding and drought) and artificial results (e.g., water pollution, waterlogging).

This Special Issue welcomes insightful manuscripts introducing novel theories and practical approaches for reconciling the conflict between operating water resource engineering projects and achieving environmental sustainability across a multiple scales. Further, looking beyond the narrow scope of water supply/distribution and drainage systems, the environmental consequences of water resource engineering systems, such as soil erosion, water stress, changes in surface heat flux and the urban heat island should be emphasized.

We hope that this Special Issue will serve as the platform for addressing the emerging issues and latest advances in this research domain and discussing the potential of new theories/methods for effective problem solving.

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Editor-in-Chief

Dr. Jean-Luc PROBST
Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/water
water@mdpi.com
𝕏@Water_MDPI