Special Issue

Emerging Solutions for Active Water Governance: Intellectual Decision and Smart Control

Message from the Guest Editors

Water, as the source of all life, is essential to human life and production activities. Water governance refers to the regulation and allocation of water and water areas in nature through various measures, in order to develop, utilize and protect water resources while preventing floods and droughts for the needs of human survival and development. In primitive society, human beings did not have the ability to change the natural environment due to low productivity. People lived where water and grass were available, with hills to protect them from floods. Living by fishing, hunting, gathering, and nomadism, people could only seek benefits from natural water while avoiding hazards. Such passive adaptation is regarded as passive water governance. In slave society and feudal society, iron tools enabled people to develop agriculture on both sides of rivers, giving rise to villages and towns. Active water governance came into view to meet the needs of flood control, drainage, irrigation, shipping, and urban water supply. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Active_Water_Governance

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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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