Message from the Guest Editors

Dear Colleagues,

River catchments and reservoirs play a central role in water security, food supply, flood risk management, hydropower generation and ecosystem services; however, they are now under increasing pressure from population growth, economic activities and changing climate means and extremes in many parts of the world. To tackle the huge challenges in moving towards adaptive catchment management, there is a need to review the latest developments in cutting-edge knowledge, novel methodologies, innovative technologies and case studies that are relative to catchment management and reservoir operation.

In this Special Issue, we invite researchers and practitioners to present the advances in adaptive river catchment management and reservoir operation in the face of uncertainty. The topics include, but are not limited to, innovative management frameworks, river catchment modelling, inflow forecasting, climate change impact, multi-objective reservoir operation, water-energy-ecosystem nexus, risk and resilience analysis, intervention strategies, new technologies, decision support tools, policy analysis and case studies.
Editor-in-Chief
Prof. Dr. Arjen Y. Hoekstra
Twente Water Centre, University of Twente, Enschede, The Netherlands

Message from the Editor-in-Chief
The relevance of water in human development and sustaining life, fuels general and scholarly interest in the world’s water resources. A better understanding of all aspects of water and its relation to food supply, energy production, human health, and the functioning of ecosystems is key in managing this precious resource in a sustainable, efficient and equitable manner. Water invites authors to provide innovative original full articles, critical reviews and timely short communications. We ensure a critical review process and a quick turnaround between submission and final decision.

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