

Special Issue

Advances in Management of Hydrology, Water Resources and Ecosystem

Message from the Guest Editors

This comprehensive scope addresses multiple facets of water resource management, evaluation of flood and drought hazards, surface water reservoir administration, watershed stewardship programs, engineered water control structures, and the changes in water resources and hydrology effects on ecosystems. In addition, studies that focus on new developments in the processes governing hydrological and water resources cyclings, and interactions with ecology and environment, and the provision of ecosystem services under the multi-sediment and flow regulation strategy are of much concern. Research areas may include (but are not limited to) the following:

Sustainable water resource management frameworks
Climate-resilient ecosystem restoration strategies
Integrated hydrological modeling techniques
Pollution control and water-quality management
Socio-economic equity in water governance
Remote sensing and AI in hydrological monitoring
Sustainable development goals alignment for water security
Ecosystem-based adaptation to climate extremes
Legal frameworks for resource-environment governance

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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