

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

Guest Editors

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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. *Sustainability* publishes original research articles, review 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.

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