



## Gis-Based Hydrological Modelling for Sustainable Water Resources Management

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Deadline for manuscript  
submissions:  
**closed (28 October 2023)**

### Message from the Guest Editors

Dear Colleagues,

To comprehend, predict, and manage water resources, hydrologic and water resource models have been created all around the world. Therefore, the aim of this Special Issue is to promote advances in hydrologic and water resources modeling based on cutting-edge GIS and RS technologies. This Special Issue of Sustainability titled “GIS-Based Hydrological Modelling for Sustainable Water Resources Management” calls for original research papers that develop or apply GIS-based hydrological models useful for water resources sustainability assessment. Open challenges in water resources management that could be addressed with GIS-based tools include fully distributed and semi-distributed hydrological modelling, machine/deep learning applications in GIS-based modeling, modelling the impacts of land use change, climate change vulnerability assessment, remotely sensed data assimilation, decision-making tools, etc. We seek contributions that address these and other challenges, with a focus on sustainability assessment from local, regional or global perspectives.





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## Message from the Editor-in-Chief

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