Special Issue

Applications of GIS and Remote Sensing in Ecohydrology

Message from the Guest Editors

Ecohydrology, as an interdisciplinary field that studies the interactions between hydrological processes and ecosystems, aims to understand the dynamic relationships between water cycles and ecological systems, providing a scientific basis for water resource management and ecological conservation. The application of GIS and RS in ecohydrology not only advances scientific methodologies but also provides powerful tools for addressing global environmental challenges, such as climate change, water scarcity, and ecosystem degradation. By integrating multi-source data, building high-precision models, and enabling dynamic monitoring and prediction, these technologies offer a scientific foundation for sustainable ecosystem management and water resource utilization. Therefore, the scope of this Special Issue includes, but is not limited to, ecohydrological modeling, land surface evaporation, precipitation, soil moisture monitoring, climate change impacts, geospatial technologies for ecosystem restoration projects, and conservation strategy design. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/N06YR3HZ27

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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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