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Integrated Watershed Management Modeling

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Message from the Guest Editors

Watersheds consist of terrestrial and aquatic systems. Natural biogeochemical and hydrological processes interact with social and economic drivers through land-use change and human activities at different scales. Social scientists and economists have different approaches to studying land-use and land-use change. Policymakers and social scientists have together identified the need to explore the potential indicators of how human activities and climate change affect land-use change and associated impacts, such as sediment, water quality, greenhouse gas emissions, and toxic substances transferred by the agriculture and industry to the river, and hydrological and weather extremes. Therefore, traditional approaches are insufficient to understand a river basin system for sustainable development and watershed management. Using an integrated model, greater levels of realism can be incorporated to analyze and evaluate how biogeochemical, hydrological, and social processes interact. [...]

For further reading, please follow the link to the Special Issue Website at:

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Message from the Editor-in-Chief

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