



hydrology



Special Issue Reprint

Socio-Hydrology: The New Paradigm in Resilient Water Management

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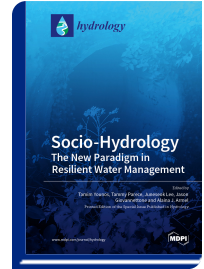
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During the third decade of the 21st century, human societies across the world are facing significant water-related problems, such as ecosystem degradation, groundwater depletion, natural and anthropogenic droughts and floods, water-borne health issues, and deforestation. They are exacerbated by climate change, a phenomenon that has been accelerated due to human intervention in natural systems since the industrial revolution. There is an urgent need to better understand the interaction of hydrological systems in terms of climate variability and the anthropogenic factors that contribute to the dynamics and resilience of coupled human–water systems and effective risk management in the area of water resource management. Socio-hydrology is an interdisciplinary field that integrates natural and social sciences and aims to study the long-term dynamics of bidirectional feedback in coupled human–water systems. This SI aims to compile cross-disciplinary scientific endeavors and innovations in research on the development, education, and application of coupled human–water systems. It represents diverse and broad aspects of water management in the context of socio-hydrology systems around the globe. This is dedicated to the friends of the Green Water-Infrastructure Academy and those who pursue cross-disciplinary water research, education, and management.



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