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Integrated Water Resource System Modeling to Support Sustainable Water Management

Guest Editors:	Message from the Guest Editors
Dr. Elmira Hassanzadeh	Dear Colleagues,
Dr. Monireh Faramarzi	Traditional water resource systems modeling has mainly
Dr. Ilyas Masih	focused on one or few aspects of water resource systems without considering the interactions among system
Dr. Ali Mirchi	components such as the impacts of water quality on quantity and vise versa, groundwater and surface water
Dr. Marcio Giacomoni	interactions, as well as trade-offs between and within
Dr. Rebecca Teasley	human and environmental needs. Considering the pressures on water resources due to the combined effects
	of population and socio-economic growth, land use and
	land cover changes, as well as heightened climate
Deadline for manuscript	variability and change, ignoring the interactions among
closed (30 September 2021)	water resource system components can lead to inadequate
	representations of system vulnerabilities. This Special Issue
	of Water invites innovative scientific contributions for

Guest Editors

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integrated modeling approaches to represent the feedback processes within and between natural and anthropogenic components of water availability and water demand to support proposition of sustainable management solutions.





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Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

Message from the Editor-in-Chief

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 scientific domains and and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision

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Water Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/water water@mdpi.com X@Water_MDPI