

Special Issue

Computational Methods in Water Resources

Message from the Guest Editor

Computational methods are at the center of many fields of engineering and sciences. With the advances made in computer hardware and software technologies, the use of this approach is gaining more and more importance in the analysis and evaluation of very complex problems. One of these fields is the water resources field, which has the widest application range and covers an area from watershed applications to groundwater and surface water resources evaluations, to engineered systems applications, such as water distribution systems, and the list goes on. At the center of all these applications are the advances made in numerical and stochastic applications and algorithms used in these applications. We also recognize that the field of water resources is common to all applications listed above. The aim of the issue is to create a forum of exchange among diverse fields of water resources applications that develop and use these computational methods and also, since the methodologies that are developed and used in one application area may be useful and may easily find applications in other fields of water resources, provide an open repository of these algorithms in this Special Issue.

Guest Editor

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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 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

Dr. Jean-Luc PROBST

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