

Special Issue

Groundwater and Surface Water Ecosystem Modeling: Current Status and Future Perspectives

Message from the Guest Editors

Ecosystem modeling is fundamental for understanding i) the relationships among ecosystem components; ii) the relationships between ecosystem processes and the supply of ecosystem services; iii) (bio)chemical processes and fate; and iv) the consequences of human-driven changes on biodiversity, ecosystem structure and functioning, and the goods and services that they provide. They also support the forecasting of ecological responses to future climate and land use changes, thus sustaining relevant decision-making processes. [This Special Issue](#) is calling for manuscripts dealing with **conceptual** (e.g., roadmaps) and/or **quantitative** models in groundwater and/or surface water ecosystems. There are no restrictions on the type of manuscript (original research, short communication, commentary/opinion, review, etc.) so long as they provide a significant contribution to the research field. We welcome ecological studies as well as those concerning ecotoxicology (e.g. TK/TD models) and risk assessment in groundwater and surface water habitats. Approaches and tools to model ecosystem services quantitatively, using explicit modeling tools such as InVEST, SolVES, etc., are also encouraged.

Guest Editors

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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

Dr. Jean-Luc PROBST

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