

## Special Issue

# Hydroecology of Peatlands

### Message from the Guest Editors

The understanding and modelling of peatland hydroecology represent a multiscale challenge in the context of global land-use changes. At the ecosystem scale, specific microorganisms, flora, and fauna inherited from particular environmental conditions make many peatlands hot-spots of specific ecological values. At the watershed scale, peatlands may constitute recharge, transitory, or discharge areas that may substantially control discharge flow and quality for downstream areas. At the global scale, peatlands, representing only 3% of the worldwide emerged land surface represent 30% of the organic carbon contained in soil and therefore constitute a great carbon volume accumulated from long-term processes that could be released to the atmosphere. This Special Issue of *Water* welcomes submissions of case studies, reviews, or short communications that tackle one or several of these scales and their relationships. Hydro(geo)logical, (bio)geochemical, biological, and statistical/mechanistic modelling approaches, as well as pluridisciplinary perspectives, are welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 September 2022)



## Water

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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.

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### Editor-in-Chief

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