Special Issue

Groundwater–Surface Water Interactions

Message from the Guest Editor

The interactions between groundwater and surface water occur through various pathways and can affect the physical, chemical, and biological attributes of connected subsurface and surface systems. Groundwater–surface water interactions (GWSWI) are complex and can have significant spatial and temporal variability. The interactions involve the exchange of water volumes, but also of contaminants that are contained or transported with the water via transition zones. These transition zones include areas (or volumes) of surface water bodies (e.g., wetlands, streambeds, lakebeds and seabeds) and adjacent subsurface materials, where the environmental characteristics shift between a surface water dominated system to a groundwater dominated system. These areas can also be subject to intense hydrological and biogeochemical processes, which can be localized (i.e., “hot spots”) or occur during certain periods of time (i.e., “hot moments”) [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/WE2D100TZ4

Guest Editor

Dr. Serban Danielescu

1. Environment and Climate Change Canada and Agriculture and Agri-Food Canada, Gatineau, QC, Canada
2. Environment and Climate Change Canada, Fredericton, NB, Canada

Deadline for manuscript submissions

closed (30 September 2023)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/140415

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/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.

Editor-in-Chief

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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