Special Issue

Characterizing Groundwater - Surface Water Interaction Using GIS

Message from the Guest Editor

Understanding groundwater–surface water interaction from local to global scales is essential for protecting water supply, ecological services, natural habitat, water quality, and environmental resilience. Coupled together with broadly available topographic, soil, land cover–land use, hydrographic, remote sensing, and other spatial data, geographic analysis tools provide the means to discover mechanisms and processes that maintain the interaction of groundwater with precipitation, evapotranspiration, and runoff. This Special Issue highlights the theories, methods, and case examples of how spatial analysis at variable scales—from local to regional to global—can be used to explore and characterize the connections of groundwater and surface water in diverse natural and human-developed environments. For further reading, please visit the Special Issue Website.

Guest Editor

Prof. Emeritus Phil Gerla
University of North Dakota, Grand Forks, United States

Deadline for manuscript submissions

closed (31 October 2020)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/30081

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

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI