water

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

CITESCORE 5.5

Inevitable Connection of River Flow Modeling, GIS, and Hydrogeology

Guest Editors:

Dr. Bojan Đurin
Department of Civil Engineering, University North, Jurja Križanića 31b, 42000 Varaždin, Croatia

Dr. Danko Markovinović
Department of Civil Engineering, University North, Jurja Križanića 31b, 42000 Varaždin, Croatia

Dr. Quoc Bao Pham
Faculty of Natural Sciences, Institute of Earth Sciences, University of Silesia in Katowice, Będzińska Street 60, 41-200 Sosnowiec, Poland

Deadline for manuscript submissions:
closed (31 July 2022)

Message from the Guest Editors

The aim of the Special Issue is to collect the papers which present new approaches as well as state of the art of the aforementioned issues. Potential topics are river flow, velocity, and depth modeling; hydrology research and application of GIS and remote sensing tools for hydrogeology research; as well as their mutual combinations and variations, i.e.:

- Surface water, groundwater, snow, and ice, in all their physical, chemical, and biological processes, their interrelationships, and their relationships to geographical factors, atmospheric processes and climate, and Earth processes including erosion and sedimentation;
- River flow modeling;
- Flood assessment;
- Drought assessment;
- Hydrological extremes and their impact;
- Hydrological aspects of the use and management of water resources and their change under the influence of human activity;
- Water resource systems, including the planning, engineering, management, and economic aspects of applied hydrology;
- Modeling, analytical, or visualization approaches to aid water decision making, including novel or emerging approaches to DSS, such as using real-time data and AI.

mdpi.com/si/88342

Special Issue

water

IMPACT FACTOR 3.4

CITESCORE 5.5

an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST
Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

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.

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 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
𝕏@Water_MDPI