Special Issue

Modeling of Groundwater Flow

Message from the Guest Editors

Groundwater is an inseparable component of the hydrological cycle, and of water resource systems. It is the only source of water for rivers, lakes and wetlands during droughts, and is crucial in retaining sustainable environmental and water conditions. It also plays a significant role in water supply for drinking, industrial agriculture, and ecosystems purposes. Groundwater's importance will continue to increase. On the other side, groundwater effects must be taken into account when designing and operating water structures, namely those damming water as well as the deep foundations of civil structures. The subsurface parts of civil and hydraulic structures may represent significant interventions into the groundwater regime if not treated. Uncontrolled seepage progressing in embankment structures and their sub-bases may result in the internal erosion and internal instabilities into soils. Computer modelling techniques are the contemporary tools for solving groundwater-related issues. [...] For further reading, please follow the link to the special issue website at: https://www.mdpi.com/journal/water/special_issues/195Q1Y39QK

Guest Editors

Prof. Říha Jaromír

Faculty of Civil Engineering, Brno University of Technology, Veveří 331/95, 602 00 Brno, Czech Republic

Dr. Ing Dana Baroková

Faculty of Civil Engineering, Slovak University of Technology in Bratislava, Radlinského 2766/11, 810 05 Bratislava, Slovakia

Deadline for manuscript submissions

closed (31 March 2023)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/128501

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