Special Issue

Sustainable Groundwater-Surface Water Management and Dependent Ecosystems Interactions

Message from the Guest Editors

All over the world, groundwater is an important resource for humans as well as the ecosystem. Approximately one-third of water resources depends on groundwater, especially where rivers, lakes, or reservoirs are unavailable. Many surface water systems rely on groundwater recharge to maintain water quality, including temperature for aquatic life and plants. Appropriate management is a necessity for all groundwater systems. Good governance depends on data in terms of time and space, as well as a complete understanding of biophysical effects on groundwater–surface water interactions for decision making and the enforcement of artificial pumping. Artificial recharge or the collaborative use of surface water systems can reduce overexploration to a certain extent. Successful examples of groundwater management and groundwater–surface water interactions, as well as effective data assimilation techniques, will be introduced in this Special Issue. Related knowledge, such as hydrogeological settings and simulations/forecasting, are also welcome.

- natural replenishment
- data assimilation
- decision making
- governance
- artificial recharge

Guest Editors

Prof. Dr. Shaohua Marko Hsu

Prof. Dr. Liang-Cheng Chang

Prof. Dr. Chuen-Fa Ni

Deadline for manuscript submissions

closed (25 June 2023)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/134120

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

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

MDPI

About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)