Special Issue

Sustainable Groundwater Resources Management

Message from the Guest Editors

Groundwater is the world's largest freshwater resource. However, in light of the increasing population, an ecology-based but economic management is required for its sustainability. Besides the basic questions of groundwater recharge and tolerable abstraction volumes, particular attention should be paid to the diverse interactions between aguifers and surface waters decisive for the movement of water and the substances transported in catchments and landscapes or over regions. Most of the world's rivers are mainly fed by groundwater outflow from adjacent aguifers. The abstraction of groundwater will decrease their flows, with a particular impact on low flows. With lowering groundwater levels, perennial rivers recharged by continuous groundwater flow turn into intermittent rivers. Additionally, vegetation and soil use, forests, agriculture, irrigation, urbanization, etc., have impacts. sometimes temporarily, often seasonal, bringing up questions about groundwater storage recuperation and water balances.

Guest Editors

Prof. Dr. Hartmut Wittenberg

Leuphana University Lüneburg, Faculty Sustainability, Institute of Ecology, D 21335 Lueneburg, Germany

Prof. Dr. Hafzullah Aksoy

Department of Civil Engineering, Istanbul Technical University, 34469 Maslak, Istanbul, Turkey

Deadline for manuscript submissions

closed (31 December 2021)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/80450

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



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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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)

