# **Special Issue**

# Groundwater Resources and Sustainable Water Management

### Message from the Guest Editor

Water resource management in urban areas is extremely complex as a consequence of several factors that can change the natural hydrogeological balance and compromise groundwater resource quality. Changes in drainage relationships, especially where man-made activities have an impact on the ground surface between overlapping aquifers (e.g., agricultural practices involving the use of plant protection products, pesticides, etc.) can generate the contamination of deeper and naturally more protected aquifers. These aspects are certainly amplified by climate change, which represents a potential threat to even the best management of the quality and quantity of groundwater resources, especially in urban areas. The aim of this Special Issue is to gather together high-quality papers highlighting the existing relationships between natural and/or anthropogenic causes, changes in groundwater resources quality and quantity, and subsidence phenomena in urban areas. Contributions may involve case studies, literature reviews, applied analyses with groundwater resource flow and transport models, and innovative groundwater withdrawal management models developed from a forecasting perspective.

#### **Guest Editor**

Dr. Libera Esposito

Department of Science and Tecnology (DST), University of Sannio, Campania, 82100 Benevento, Italy

### Deadline for manuscript submissions

20 May 2026



## Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/240314

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)

