Special Issue

Groundwater Quality and Groundwater Vulnerability Assessment

Message from the Guest Editors

Vulnerability and pollution risk maps of groundwater constitute important tools for groundwater management and protection. Groundwater vulnerability is divided into specific vulnerability and intrinsic vulnerability. Intrinsic vulnerability of an aquifer can be defined as the ease with which a contaminant introduced onto the ground surface can reach and diffuse in groundwater. Specific vulnerability is used to define the vulnerability of groundwater to particular contaminants or a group of contaminants by taking into account the contaminants' physicochemical properties and their relationships. Groundwater pollution risk can be defined as the process of estimating the possibility that a particular event may occur under a given set of circumstances and the assessment is achieved by overlaying hazard and vulnerability. This Special Issue will focus on exploring application of groundwater vulnerability and pollution risk assessment in porous, karst and fissured rock aquifers located in coastal and inland zones.

Guest Editors

Prof. Dr. Konstantinos Voudouris

Laboratory of Engineering Geology & Hydrogeology, Geology Department, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

Dr. Nerantzis Kazakis

Department of Geology, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

Deadline for manuscript submissions

closed (31 March 2021)

Environments

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.7

mdpi.com/si/16398

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

mdpi.com/journal/environments

Environments

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.7

mdpi.com/journal/environments

About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Sergio Ulgiati
1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy
2. School of Environment, State Key Joint Laboratory of Environment Simulation and Pollution Control, Beijing Normal University, No. 19 Xinjiekouwai Street, Beijing 100875, China

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef, and other databases.

Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2025).

MDPI