



water



an Open Access Journal by MDPI

Deep Learning-Based Methods for Groundwater Contamination Identification

Guest Editors:

Dr. Simin Jiang

Department of Hydraulic Engineering, Tongji University, Shanghai 200092, China

Dr. Zhenbo Chang

School of Water Resources and Environment, China University of Geosciences (Beijing), Beijing, China

Deadline for manuscript submissions:

20 December 2024

Message from the Guest Editors

Dear Colleagues,

Groundwater is an essential resource for human economic production and livelihood. However, the increasingly severe problem of groundwater pollution poses a significant threat to the security of groundwater resources. How to efficiently identify, predict, and assess groundwater pollution using deep learning methods is currently a hot topic of research. We are delighted to invite you to contribute your innovative findings on "Deep Learning-Based Methods for Groundwater Contamination Identification" to make a contribution to this theme. These papers can include, but are not limited to, the following topics:

- (1) Identification of groundwater pollution sources based on deep learning;
- (2) Deep learning models for predicting groundwater pollution;
- (3) Applications of deep learning methods in the assessment of groundwater quality;
- (4) Applications of deep learning methods in the control and remediation of groundwater pollution.



mdpi.com/si/205332

Special issue



water



an Open Access Journal by MDPI

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

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.

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 (Water Science and Technology)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)