



Exploration and Sustainable Management of Groundwater Resources in Geologically Complex Terrain

Guest Editors:

Assoc. Prof. Dr. Shih-Meng Hsu

Department of Harbor and River Engineering, National Taiwan Ocean University, No.2, Beining Rd., Jhongjheng District, Keelung City 202, Taiwan

Prof. Dr. Cheng-Haw Lee

Department of Resources Engineering, National Cheng Kung University, No. 1, University Rd., Tainan 70101, Taiwan

Prof. Dr. Liang-Cheng Chang

Department of Civil Engineering, National Yang Ming Chiao Tung University, Hsinchu 30010, Taiwan

Deadline for manuscript submissions:

closed (30 June 2022)

Message from the Guest Editors

Groundwater is a precious and limited resource. Due to overexploitation and pollution, the available groundwater resources are declining globally. In addition, climate change poses unavoidable uncertainties to the supply and management of groundwater resources.

This Special Issue welcomes original research papers and reviews focusing on recent advances and novelties in the field, as well as modeling approaches in groundwater investigation and management. Multidisciplinary investigations are strongly encouraged. Potential topics include but are not limited to the following:

- Groundwater exploration in geologically complex terrain;
- Emerging technologies for groundwater investigation, monitoring, and numerical modeling;
- Climate change impact on groundwater resources;
- Innovative methods for subsurface characterization and modeling;
- Advanced approaches for improved understanding of subsurface processes;
- Sustainability and adaptive management of groundwater resources.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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, Inspec, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)