



Remote Sensing and Geoscience Information Systems Applied to Groundwater Research

Guest Editors:

Prof. Dr. Saro Lee

1. Geological Research Division,
Korea Institute of Geoscience
and Mineral Resources (KIGAM),
124, Gwahak-ro Yuseong-gu,
Daejeon 34132, Republic of Korea
2. Department of Geophysical
Exploration, Korea University of
Science and Technology, 217
Gajeong-ro Yuseong-gu, Daejeon
34113, Republic of Korea

Prof. Dr. Hyung-Sup Jung

1. Department of Smart Cities,
University of Seoul, 163
Seoulsiripdae-ro, Dongdaemun-
gu, Seoul 02120, Republic of
Korea
2. Department of Geoinformatics,
University of Seoul, 163
Seoulsiripdae-ro, Dongdaemun-
gu, Seoul 02120, Republic of
Korea

Deadline for manuscript
submissions:

closed (30 April 2021)



mdpi.com/si/26894

Message from the Guest Editors

As computer and space technologies have developed, geoscience information systems (GIS) and remote sensing (RS) techniques have also been rapidly growing. Recently, the importance of groundwater has grown across the world. The integration of RS and GIS techniques with knowledge of geology has effectively been used to assess groundwater potential and the groundwater pollution problem. We do not doubt that the use of RS and GIS techniques is a powerful tool to study groundwater resources and design suitable exploration plans. This Special Issue aims to create a multidisciplinary forum of discussion for recent advances in the RS and GIS fields for their groundwater applications.

Topics of interest include, but are not limited to:

- Application of RS and GIS techniques in groundwater research
- Spatial analysis and geocomputation in groundwater research
- Spatial prediction using machine learning techniques in groundwater potential research
- Geospatial big data processing and artificial intelligence for groundwater research
- Geospatial research for groundwater potential and pollution
- Case studies of groundwater potential and pollution using GIS and RS

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank: JCR - Q1 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (*General Earth and Planetary Sciences*)

Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)