remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

an Open Access Journal by MDPI

The Use of Proximal and Remote Sensing Techniques for the Detection and Mapping of Contaminants in Soils

Guest Editors:

Prof. Dr. Abdul M. Mouazen

Prof. Dr. Anne Gobin

Dr. Said Nawar

Dr. Yiyun Chen

Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on the potential of RS and PSS technologies and advanced machine learning techniques for modeling and mapping soil contaminates, including PTEs, PHCs, and microplastics, for site-specific land reclamation. Research articles that cover but not limited to the following topics are welcome:

- Remote sensing technologies for estimating and mapping soil contaminates at topsoil layers.
- Proximal soil sensing tools, including common (see above-mentioned list of technologies) and emerging techniques for the measuring and mapping of HMs, high salt concentrations, PHCs, and microplastics in soils.
- Sensors and data fusion techniques for modeling soil contaminates.
- Digital mapping of soil contaminants using remote sensing technology.
- The fusion of different combinations of remote and proximal sensing for monitoring and management of soil pollution, including risk assessment.
- Cloud computing and big data analytics for monitoring environmental pollution.

remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
𝕏@RemoteSens_MDPI