



Airborne Electromagnetic Surveys

Guest Editors:

Dr. Bernhard Siemon

Federal Institute for Geosciences
and Natural Resources

Dr. Annika Steuer

Federal Institute for Geosciences
and Natural Resources

Dr. Andrea Viezzoli

Aarhus Geophysics, I-GIS
Voldbjergvej, 14A, 1, sal - 8240,
Risskov, Denmark

Deadline for manuscript
submissions:

closed (31 July 2021)

Message from the Guest Editors

Dear Colleagues,

Airborne geophysical devices are being increasingly applied to quickly investigate large areas of subsurface at relatively low costs. From the most common airborne methods currently used, airborne electromagnetics (AEM) contributes most to high-resolution spatial subsurface investigations. AEM links areal remote sensing applications with local in-situ measurements. As the principal parameter investigated, the electrical conductivity, depends on various sources such as pore water salinity, clay content, or metals, AEM can be used for groundwater, soil, or mineral exploration studies.

We are interested in receiving high quality submissions that use large-scale AEM surveys to study the subsurface conductivity distribution and further applications derived from AEM results. In particular, we are looking for contributions that combine multiple parameters to investigate the near surface. We are also interested in receiving submissions that use modern interpretation techniques such as cluster analyses and neuronal networks or further machine learning applications.





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](https://twitter.com/RemoteSens_MDPI)