



Remote Sensing of Invasive Alien Species—towards Effective Monitoring and Management

Guest Editors:

Prof. Dr. Barbara Tokarska-Guzik

Institute of Biology
Biotechnology and
Environmental Protection,
University of Silesia in Katowice,
40-032 Katowice, Poland

Dr. Sylwia Szporak-Wasilewska

Warsaw University of Life
Sciences—SGGW,
Nowoursynowska 166, 02-787
Warsaw, Poland

Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editors

Dear colleagues,

This Special Issue aims to collect recent research results and experiences related to their implementation in practice. It is dedicated to the use of remote data acquisition technologies concerned with the detection, mapping, and monitoring of invasive alien species (IAS), enabling their widespread use in further research and in various sectors of the economy. We also encourage you to share research that did not deliver the expected results and to discuss the limitations of the methodology used, which will allow us to develop the most effective, transferable, and least costly procedures.

Topics include but are not limited to:

- Influence of spatial and spectral resolution on the quality of invasive species detection
- Effectiveness of data fusion in IAS identification;
- Spectral discrimination of IAS;
- Invasive species detection: weaknesses and strengths of remote sensing methods;
- Distribution mapping of IAS and tracking their spread at different spatial scales;
- Invasion monitoring with remote sensing for the development of the national, subnational or site-based observation and monitoring systems for IAS;
- Risk assessment of IAS through remote sensing;
- ...





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)