Special Issue

Water Quality Assessment Based on Optical Remote Sensing Imagery

Message from the Guest Editors

Water quality describes the condition of water, including any potential chemical, physical, and biological characteristics. In recent years, declining water quality has become a global issue of significant concern as anthropogenic activities expand, natural environments become degraded, and climate change threatens to cause major alterations to the hydrological cycle. Therefore, timely and accurate monitoring of water quality and changing trends is of great significance for improving the management of water resources and protecting the water environment. Water quality is measured by several factors, including optically active parameters and non-optically active parameters. Optical remote sensing monitors the water quality by measuring the parameters that change the spectral properties of water bodies upon their interaction with light. Compared with conventional surface water quality assessment methods, optical remote sensing has the advantages of low cost, spatial continuity, and temporal consistency. The Special Issue invites researchers to submit contributions using multi/hyperspectral optical remote sensing imagery for water quality assessment.

Guest Editors

Prof. Dr. Maria João Costa

Institute of Earth Sciences (ICT), Institute of Research and Advanced Training, University of Évora, 7000-671 Évora, Portugal

Dr. Miguel Potes

Center for Sci-Tech Research in Earth System and Energy (CREATE), Institute of Research and Advanced Training, University of Évora, 7000-671 Évora, Portugal

Deadline for manuscript submissions

closed (29 February 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/165379

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

About the Journal

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.

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

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)