Special Issue

Innovative UAV and Satellite Technologies and Applications for Spatiotemporal Analysis

Message from the Guest Editors

Remote sensing from UAVs to spaceborne sensors offers a unique opportunity to measure, analyze, quantify, map, and explore spatiotemporal phenomena at high temporal frequencies. By leveraging these technologies, researchers gain unprecedented insights into the dynamic changes occurring in coastal areas and other environments, facilitating better monitoring, management, and conservation efforts. This Special Issue aims to collect innovative and high-quality research articles related to current trends and challenges in the field of UAV and satellite mapping for Dynamic Environmental Monitoring. The integration of UAV and satellite technologies with GIS and GeoAI has opened new avenues for the mapping, analysis, and assessment of environmental spatiotemporal phenomena. We invite contributions that explore the latest advancements, methodologies, and applications in this dynamic field.

Guest Editors

Dr. Apostolos Papakonstantinou

Prof. Eufemia Tarantino

Dr. Alessandra Capolupo

Dr. Athos Agapiou

Deadline for manuscript submissions

30 November 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/206722

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

MDPI

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)