

## Special Issue

# Advances in Satellite Image Analysis and Applications for Earth Observation

### Message from the Guest Editors

This Special Issue delves into the latest EO satellite image analysis advancements and explores their manifold applications across various scientific disciplines. From monitoring environmental changes and assessing natural disasters to informing urban planning and agricultural practices, the contributions within this collection will showcase cutting-edge methodologies and innovative approaches that harness the power of satellite EO data for a better understanding of Earth's complex systems. We welcome the submission of original research articles and reviews that focus on, but are not restricted to, the following themes: Techniques for satellite-based urban environment monitoring; Satellite EO data application for ecosystem and biodiversity conservation; Satellite EO application to climate pattern analysis; Novel approaches for disaster management using EO satellite imagery; Satellite EO application in smart farming and smart cities; Satellite-based analysis of human activities and their impact on the environment; Machine and deep learning techniques for satellite imagery content retrieval; Evaluations of cutting-edge EO software and platforms.

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### Guest Editors

Dr. Daniele Oxoli

Dr. Maria Alicandro

Dr. Maryam Lotfian

Dr. Peng Peng

Prof. Dr. Maria Antonia Brovelli

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### Deadline for manuscript submissions

31 October 2025



## Remote Sensing

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

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## 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.

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### 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

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