# Special Issue

# Synthetic Aperture Radar (SAR) Remote Sensing for Civil and Environmental Applications

## Message from the Guest Editors

This Special Issue aims to provide an overview of the latest advances and developments in SAR remote sensing technologies and processing techniques for civil and environmental applications. The research topics covered in this issue include, but are not limited to, the following:

- Advanced SAR techniques, including polarimetry, interferometry, and tomography, and their applications.
- Soil, vegetation, and carbon cycle monitoring: forest biomass, agriculture, wetlands, drought, erosion.
- Ice and snow monitoring: cryosphere, glaciers, snow depth, ice sheets, permafrost.
- Urban monitoring: infrastructures, building footprints, damage detection.
- Geohazards and disasters: floods, landslides, subsidence, volcanic activities.
- Information retrieval: soil moisture, soil roughness, vegetation moisture, vegetation canopy structure.
- Analysis, validation, and calibration of newly developed SAR sensors for geoscience applications.
- Applications of data-driven and artificial intelligence techniques in SAR data processing and analysis.

## Guest Editors

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## Deadline for manuscript submissions

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### 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

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