



## Synthetic Aperture Radar Remote Sensing for Geophysical and Biophysical Parameters Retrieval

Guest Editors:

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Deadline for manuscript  
submissions:

**15 August 2024**

### Message from the Guest Editors

A tentative list of topics on which manuscripts can be submitted is as follows:

- Retrieval of forest parameters using SAR remote sensing;
- Mapping and monitoring of agricultural crops;
- Soil moisture retrieval by implementing modeling approaches on SAR data;
- Scattering-based characterization of manmade and natural features using polarimetric decomposition models;
- Machine learning and deep learning models for SAR backscatter-based classification of land use and land cover;
- Monitoring of volcanic eruptions and lava flow using PolSAR and InSAR;
- Mapping and monitoring of cultural and natural world heritage sites using spaceborne SAR data;
- Retrieval of geo-/biophysical parameters and classification using SAR data in combination with other remote sensing data;
- Snow parameter retrieval and mapping and monitoring of glacier surfaces using SAR data;
- Utilization of SAR data for geological applications;
- Land subsidence mapping and monitoring using temporal InSAR data;
- Polarimetric modeling for geological, geomorphological, and structural parameters of the lunar surface.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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