# Special Issue

# Editorial Board Members' Collection Series: 'New Advances on SAR/Pol/InSAR/TomoSAR Techniques and Applications'

## Message from the Guest Editors

In recent decades, SAR and SAR Interferometry (InSAR) have been widely applied in the field of remote sensing. From its initial development as a new and pioneering remote sensing tool for measuring Earth topography and surface deformation, InSAR has been now developed into a mature technique, routinely used to provide crucial constraints on a broad and diverse range of Earth science processes. In this context, the development was not limited to SAR interferometry, but spread to the investigation of SAR Tomography (TomoSAR) techniques, where multiple SAR images are jointly processed to produce a three-dimensional representation of the imaged scene. The near future of SAR remote sensing appears today as bright as ever. On the one side, there is a constant push to build more sophisticated and better performing SAR satellites, resulting in new concepts such as high-resolution wide swath (HRWS), digital beamforming, and MIMO SARs. On the other side, private companies have been pushing the concept of new SAR systems based on small satellite technology, announcing plans for constellations of several dozen elements.

## Guest Editors


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## Deadline for manuscript submissions

closed (25 April 2025)


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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.

### Editor-in-Chief

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