Special Issue

SAR Aware Methods towards Sustainable Development Goals

Message from the Guest Editors

Synthetic aperture radar (SAR) is a versatile tool in the domain of remote sensing for earth observation and monitoring. It can operate day and night and can penetrate cloud cover, making it indispensable for change monitoring. With different spatio-temporal and polarimetric configurations, advanced techniques like PolSAR, InSAR, PolinSAR, TomoSAR, and PolTimeSAR can be utilized effectively for a wide range of applications from agriculture and urban area monitoring to forestry, cryosphere, ocean and land studies, and natural hazard monitoring. Below is a non-exhaustive list of themes for submission:

- SAR despeckling/denoising.
- SAR-aware/physics-aware machine learning/deep learning for SAR applications.
- Statistical methods for SAR applications.
- SAR/PolSAR/InSAR/PolinSAR/TomoSAR/PoltimeSAR techniques and applications.
- Polarimetric SAR: full, dual, twin, compact.
- Multimodal approaches to environmental applications using SAR.
- SAR image classification.
- Uncertainty quantification for SAR Applications.
- Change detection using SAR.
- Electromagnetic modeling of SAR response from environments.
- GB-SAR applications.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2024)

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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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