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NISAR Global Observations for Ecosystem Science and Applications

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Deadline for manuscript submissions:
closed (31 October 2025)

Message from the Guest Editors

The NASA–ISRO Synthetic Aperture Radar (NISAR) mission, a collaboration between the National Aeronautics and Space Administration (NASA) and the Indian Space Research Organization (ISRO), was designed to provide observations of global ecosystems and land surfaces to systematically quantify their state and changes thereof. The mission is planned to launch in 2023, starting with the provision of data for use in a variety of ecosystem sciences and applications, including mapping vegetation above ground biomass, wetland inundation, cropland extent and classification, freeze/thaw monitoring and soil moisture monitoring.

The proposed Special Issue calls for submissions presenting the results of NISAR-related research and the development of science algorithms for the ecosystem biophysical parameter retrieval, calibration and validation of science products, as well as applications of management and monitoring in different ecosystems.

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Message from the Editorial Board

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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