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NISAR Global Observations for Ecosystem Science and Applications

Guest Editors:

Dr. Sassan Saatchi

NASA Jet Propulsion Laboratory,
Pasadena, CA 91109, USA

Prof. Dr. Paul Siqueira

Department of Electrical and
Computer Engineering, University
of Massachusetts Amherst,
Amherst, MA 01003, USA

Dr. Anup Das

Indian Space Research
Organization—Space
Applications Centre (SAC),
Ahmedabad, India

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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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Special Issue



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Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

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Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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