# **Special Issue**

## Airborne Synthetic Aperture Radar: Systems, Processing, New Challenges and Opportunities

## Message from the Guest Editors

The goal of this Special Issue is to gather recent scientific and technological advancements in the field of airborne SAR, in terms of system development, signal modeling, image formation, data processing, and resulting new applications. Potential topics include but are not limited to:

- New airborne SAR systems;
- Navigation sensors and algorithms;
- Frequency-domain and/or time-domain approaches for airborne SAR focusing;
- Real-time SAR processing hardware and algorithms;
- Airborne monostatic and bistatic SAR imaging in nonconventional acquisition modes;
- Innovative data processing approaches;
- Airborne single-pass cross-track, along-track SAR interferometry;
- Airborne repeat-pass SAR interferometry and tomography;
- Cutting-edge airborne SAR applications;
- Experimental results based on airborne SAR data acquired in challenging operative scenarios;
- Curvilinear, circular and helicoidal SAR;
- Integration of multifrequency SAR data;
- Integration of spaceborne and airborne SAR data.

## **Guest Editors**

- Dr. Othmar Frey
- Dr. Antonio Natale
- Dr. Joao Roberto Moreira Neto
- Dr. Stefano Perna

## Deadline for manuscript submissions

closed (30 December 2022)



an Open Access Journal by MDPI

Impact Factor 4.2 CiteScore 8.3



mdpi.com/si/38235

Remote Sensing MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 remotesensing@mdpi.com

mdpi.com/journal/

remotesensing





an Open Access Journal by MDPI

Impact Factor 4.2 CiteScore 8.3



MDPI

## 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 peerreview 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

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

## Author Benefits

## **Open Access:**

free for readers, with article processing charges (APC) paid by authors or their institutions.

## **High Visibility:**

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

#### Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)