Special Issue

Recent Advances in Resource Management in Radar Sensing and Imaging Applications

Message from the Guest Editors

Radar technology has become an indispensable tool in modern remote sensing applications, offering unique capabilities for imaging, detection, and environmental monitoring. The advent of novel radar systems, represented by the multi-input-multiple-output (MIMO) radar, networked radar, cognitive radar, distributed radar, and passive radar, has led to a heightened focus on the impact of radar system resources on overall performance. These resources encompass factors such as site location, transmission power, topology, operating frequency, handling resource, beam scheduling, and signal waveforms. Consequently, research conducted on radar resource management is of theoretical importance and practical significance for the domains of radar imaging and remote sensing. We are pleased to invite researchers and professionals to contribute to this Special Issue, which aims to explore cutting-edge developments in radar resource management in sensing and imaging applications, bringing together contributions from academia and industry. This Special Issue welcomes original research articles and reviews on a wide range of topics related to radar resource management.

Guest Editors

Prof. Dr. Tianxian Zhang

Dr. Zongyong Cui

Dr. Xueting Li

Dr. Yuanhang Wang

Deadline for manuscript submissions

31 March 2026

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/250147

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

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

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

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)