Special Issue

SAR Processing in Urban Planning

Message from the Guest Editors

Rapid urban development has resulted in environmental problems linked to unsustainable transport, housing, waste, energy, and land use management. This necessitates the emergent solutions for self-sustaining and healthier communities. SAR properties are very important in analyzing earth surface and obtaining all necessary information for urban areas understanding and planning.

For our special issue, articles may address, but are not limited to, the following topics:

Use multimodal methods incorporating SAR images and fusing the available distributed information by spatial and/or temporal data processing methods. These methods could incorporate machine learning approaches from feature extraction, classification, neural networks, and pattern recognition.

Multitemporal analysis employing 3D methods and leading to interferometry and/or, tomography, and elevation models.

The main applications are expected to be super-resolution, polarization categorization, urban sprawl, anthropic activities, subsidence. We aim to gain an understanding of urban and artificialized environments, their evolution, and monitoring indicator.

Guest Editors

Dr. Georgia Koukiou

Electronics Laboratory, Physics Department, University of Patras, 26504 Patras, Greece

Prof. Dr. Vassilis Anastassopoulos

Department of Physics, University of Patras, 26504 Rio, Greece

Deadline for manuscript submissions

closed (10 October 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/148185

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

mdpi.com/journal/remotesensing

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)