



Applications of SAR Images for Urban Areas

Guest Editors:

Dr. Elise Colin-Koeniguer

DTIS-Onera (France), Université
Paris Saclay, 91123 Palaiseau,
France

Dr. Flora Weissgerber

Onera, Université Paris Saclay,
91123 Palaiseau, France

Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editors

Dear Colleagues,

SAR sensors constitute a valuable tool in urban remote sensing due to their ability to acquire images day and night, regardless of the weather conditions. Furthermore, the availability of the phase of the measured electric field allows for the implementation of specific techniques such as 3D interferometry (InSAR), differential interferometry (DInSAR), or tomography.

This Special Issue proposes to address recent advances in the use of SAR images in urban areas from different points of view:

- Spatial data processing methods: classification, learning methods, neural networks, feature extraction, pattern recognition, multitemporal analysis;
- 3D methods: interferometry, tomography;
- Multimodal methods involving SAR images;
- Main applications: urban sprawl, planning, traffic, anthropic activities, materials, subsidence, natural risks, and disaster management;
- The contribution of existing and future space missions and new means of observation (new generations of sensors) and the finest resolutions;
- Understanding of urban and artificialized environments, their evolution, and monitoring indicators.





an Open Access Journal by MDPI

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

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.

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*)

Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)