Special Issue

Feature Selection from SAR Images for Terrain Surface Classification

Message from the Guest Editors

This Special Issue aims to attract papers with new results on features suitable for classifying terrain surfaces. The data to be used will be mainly from single, dual or fully polarimetric SAR scenes of Level 0, Level 1 or Level 2 preprocessed SAR components. However, other kinds of satellite imagery can be employed in a complementary way in order to construct features for terrain classification. The proposed features should appear as the results of mathematical processes carried out on the original data. Such processes could be target decomposition techniques, scattering properties, first-order (or 1-D) statistics, higher-order statistics (texture, co-occurrence approaches between the same band or different bands), geometric, fusion of existing features etc. The terrain classification performance of the proposed features should be compared with existing approaches in three aspects:
- The number of different terrain types they are able to discriminate;
- The degree (percent) of successful classification as a weighted average for all types of terrain;
- The flexibility of the proposed features to adapt easily to different sets of SAR data.

Guest Editors

Prof. Dr. Vassilis Anastassopoulos

Dr. George Lampropoulos

Dr. Olga Sykioti

Deadline for manuscript submissions

closed (15 December 2023)

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)