Special Issue

New Trends of GEOBIA in Remote Sensing

Message from the Guest Editors

Geographic Object-Based Image Analysis (GEOBIA) has been widely used for accurate map generation from High Resolution (HR) and Very High Resolution (VHR) satellite images, aerial photographs and Unmanned Aerial Vehicle (UAV) images. One of the advantages of GEOBIA is the integration of multi-source, multi-temporal and multi-modal vector and raster geospatial data into the segmentation or classification steps and implementation of various image processing and topological features and functions. The topics of interest include, but are not limited to:

- Thematic mapping with GEOBIA (Mapping of LULC, Urban areas, Crop types, Forest stand types, Greenhouses, Archeological Sites, etc.),
- Ensemble Learning for GEOBIA,
- Geographic object detection (Buildings, Roads, Airplanes, Ships, etc.) using GEOBIA techniques,
- Big Geospatial Data, Geospatial Artificial Intelligence (GeoAI) and GEOBIA integration,
- GEOBIA for information extraction from Atmospheric Monitoring Satellites and Sensors (Sentinel-5P, Suomi-NPP VIIRS, TROPOMI, etc.),
- GEOBIA applications for historical LULC mapping,
- Integration of Crowd-source data into GEOBIA,
- Multi-disciplinary GEOBIA applications.

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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

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