Special Issue

Dynamic Topography Using Remote Sensing: Multidisciplinary Approaches to Detect and Model Earth's Surface Processes

Message from the Guest Editors

Surface responses to allogenic forcings- and autogenic processes occurring at different time scales and frequencies modulate the spatio-temporal distribution of local-to-global scale environmental changes. In this Special Issue, we aim to focus on multidisciplinary studies that apply remote sensing techniques and explore spatio-temporal surface evolution in response to different forcings and processes, such as crustal deformation and fluvial reorganization, as well as investigate the impact of climate change on surface processes and anthropic spreading. We also invite submissions that combine remote sensing with other classical and innovative approaches, focusing on modelling regional geomorphic evolution, rock type detection, natural hazard assessments, strain partitioning in tectonically active region, erosional-depositional dynamics, etc. Potential topics include, but not limited to, the following:

- Tectonic processes;
- Climate change-related surface evolution;
- Drainage systems reorganization;
- Fault slip detection, strain partitioning and seismic cycles;
- Fluvial-deltaic sediments' evolution, routing and deposition;
- Geomorphology and land use changes.

Guest Editors

Dr. Balázs Székely

Dr. Mauro Bonasera

Dr. Ciro Cerrone

Dr. Michele Delchiaro

Dr. Riccardo Lanari

Dr. Francesco Pavano

Deadline for manuscript submissions

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/187688

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)