# Special Issue

# Advances in Global Digital Elevation Model Processing

### Message from the Guest Editors

The topographic features of our Earth have always been the key to our orientation in geographic space. A digital elevation model (DEM) is a powerful surface model of the Earth or of any other planets. It can provide explicate and more inherently hidden information of the topographic complexity, in a simplified way. At present, a number of terrestrial and bathymetric global DEMs can be obtained. They can be commercial or under free licenses or public domain. The key questions are as follows: “Which elements can improve the usability of available global DEMs?” and, closely linked, “How can we improve such DEMs’ quality when using geomorphometric methods?”. This Issue is fundamental in order to ensure the best performance of any spatial analysis involving DEM and for reducing uncertainties. Answers to the research questions can lead to a step forward in the global DEM processing, which will further escalate the interoperability and usability.

### Guest Editors

Dr. Tomaž Podobnikar

Faculty of Civil and Geodetic Engineering, University of Ljubljana, Jamova 2, SI-1000 Ljubljana, Slovenia

Prof. Dr. Juha Oksanen

Department of Geoinformatics and Cartography, Finnish Geospatial Research Institute in the National Land Survey of Finland, Geodeetinrinne 2, FI-02430 Masala, Finland

### Deadline for manuscript submissions

closed (30 September 2021)

**Remote Sensing**

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 8.3

mdpi.com/si/27711

*Remote Sensing*
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 4.2
CiteScore 8.3

mdpi.com/journal/remotesensing

MDPI

## 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)