Special Issue

New Technologies for Earth Remote Sensing

Message from the Guest Editors

Remote sensors have enabled a better understanding of the Earth's climate and the interactions between the ocean, land, and atmosphere, improving the knowledge on the global Earth dynamics. At present, miniaturization, increased communications and networking capabilities, as well as machine learning and artificial intelligence are enabling new remote sensing instrument concepts, including distributed and reconfigurable sensors, for satellite, airborne, and ground-based platforms. These new remote sensing technologies can potentially explore widespread fields, including but not limited to passive/active and microwave or millimeter-wave/optical, or a combination of those. We invite authors to submit their work on remote sensing technology developments on any of the above fields. Technology advancements include any development at subsystem level, at a system (instrument) level, mission level, or even at system of systems level. We also encourage studies including the analysis of performance improvement in terms of spatial, radiometric, spectral or temporal resolutions, related to the scientific applications.

Guest Editors

Dr. Isaac Ramos

Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Drive, Pasadena, CA 91109, USA

Prof. Dr. Adriano Camps

CommSensLab – UPC, "María de Maeztu" Excellence Research Unit, Dept. of Signal Theory and Communications, Universitat Politècnica de Catalunya—BarcelonaTech (UPC) and Institut d'Estudis Espacials de Catalunya IEEC/CTE-UPC. UPC Campus Nord, building D4, office 016, c/Jordi Girona 31, 08034 Barcelona, Spain

Deadline for manuscript submissions

closed (31 July 2022)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/36726

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 Editorial Board

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.

Editors-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

Prof. Dr. Dongdong Wang
Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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)

MDPI