



an Open Access Journal by MDPI

Remote Sensing for Cropping Systems and Bare Soils Monitoring and Optimization

Guest Editors:

Dr. Ephrem Habyarimana

CREA Research Center for Cereal
and Industrial Crops, 40128
Bologna, Italy

Dr. Nicolas Greggio

Biological, Geological, and
Environmental Sciences
Department (BiGeA) and
Interdepartmental Centre for
Environmental Sciences
Research, Alma Mater Studiorum
– Bologna University, Operative
Unit of Ravenna, Via S. Alberto,
163 - 48123 Ravenna, Italy

Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editors

Dear Colleagues,

remote sensing (RS) and Earth Observation (EO) information is central for detecting crop type, monitoring crop growth and development, plant health, productivity and managing nutrient optimization programs in agricultural systems.

Remote sensing information can also be used for gaining insights into mechanisms plants use to respond to climate change and other adversities across diverse ecosystems, and for optimizing the cropping systems in a more sustainable way.

This Special Issue is thus aiming at garnering state-of-the-art RS/EO-based research to retrieve and model crop types and yields, bare soils, and cropping systems and relative economic and environmental performances. Implementing AI/machine learning and deriving empirical scenarios on cropping systems and bare soils management optimization is encouraged.

Dr. Ephrem Habyarimana

Dr. Nicolas Greggio

Guest Editors



mdpi.com/si/68739

Special Issue



an Open Access Journal by MDPI

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

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.

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)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)