



Monitoring and Control for Precision and Smart Agriculture

Guest Editors:

Dr. Olga V. Tutubalina

Department of Geography, M.V.
Lomonosov Moscow State
University, Moscow, Russia

Prof. Dr. Hak-Jin Kim

Department of Biosystems &
Biomaterials Science and
Engineering, Seoul 08826, Korea

Deadline for manuscript
submissions:

closed (15 May 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to discuss various aspects of monitoring and control for precision and smart agriculture, mainly data processing and applications based on remote and proximal sensing technologies and methods, such as crop and soil sensors, satellite navigation and positioning technology, unmanned aerial vehicle (UAV) imagery, LiDAR monitoring, and others.

We invite you to contribute to this Special Issue by submitting comprehensive reviews, case studies, or research articles that focus on scientific methods, innovative technologies, and system development. Specific topics include but are not limited to the following:

- Application of remote sensing for smart farming;
- Applications and intelligent system development of various unmanned agricultural machines;
- Applications of new sensors in intelligent complex control systems for greenhouses;
- Crop growth monitoring;
- Precise fertigation control.

Dr. Olga V. Tutubalina

Dr. Hak-Jin Kim

Guest Editors





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)