



High-Resolution Thermal Imaging for Vegetation Monitoring

Guest Editors:

Dr. Jose A. Jiménez-Berni

Institute for Sustainable
Agriculture (IAS), Consejo
Superior de Investigaciones
Científicas (CSIC), Avenida
Menéndez Pidal s/n, Campus
Alameda del Obispo, 14004
Córdoba, Spain

Dr. Pablo J. Zarco-Tejada

QuantaLab Remote Sensing
Laboratory, Instituto de
Agricultura Sostenible (IAS),
Consejo Superior de
Investigaciones Científicas (CSIC),
Alameda del Obispo, s/n, E-14004
Córdoba, Spain

Deadline for manuscript
submissions:

closed (22 March 2019)

Message from the Guest Editors

Dear Colleagues,

Thermal infrared remote sensing provides a unique tool for understanding physical processes involving vegetation and atmosphere interactions. Measuring plant temperatures enables modelling of the energy balance, providing insights of the surface's properties and physiological processes in vegetation, mainly related to the plant water status.

This Special Issue seeks to attract manuscripts dealing with novel applications of high-resolution thermal imaging for a range of applications in vegetation monitoring, both in crops and natural vegetation. We encourage potential authors to submit studies involving the use of very high-resolution imagery, on-board of manned and unmanned aerial platforms. Manuscripts covering acquisition and calibration aspects of thermal imaging are also welcome.

Dr. Jose A. Jiménez-Berni

Dr. Pablo J. Zarco-Tejada

Guest Editors





an Open Access Journal by MDPI

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

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.

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, St. Alban-Anlage 66
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)