sensors

an Open Access Journal by MDPI

IMPACT FACTOR 3.5

Indexed in: PubMed

CITESCORE 8.2

Advances in Hyperspectral Imaging, Sensing and Its Applications: Precision Agriculture and Fire Prevention

Guest Editors:

Dr. Paolo Spagnolo
National Reseach Council of Italy (CNR), Institute of Applied Sciences and Intelligent Systems "Eduardo Caianiello", Pozzuoli, Italy

Dr. Pier Luigi Mazzeo
National Reseach Council of Italy (CNR), ISASI Institute of Applied Sciences & Intelligent Systems, 73100 Lecce, Italy

Deadline for manuscript submissions:
closed (20 March 2023)

Message from the Guest Editors

Hyperspectral imaging collects and processes information from across the electromagnetic spectrum. The goal of hyperspectral imaging is to obtain the spectrum for each pixel in the image of a scene, with the purpose of finding objects, identifying materials, or detecting processes. The rapid development of remote sensing has made it possible to study environmental processes and changes in agriculture and also to provide important assistance in relevant practices. The goal of this Special Issue is to collect the latest developments in the application fields of precision agriculture and fire preventions. Both these two contexts were traditionally on-field tests for computer vision-based algorithms and methodologies. With the growing availability of hyperspectral sensors—that are more effective compared to multispectral remote ones—the approach to fire prevention and precision agriculture is quite different, providing an unexpected and powerful support to workers. Papers on the latest research challenges, case studies and on-field applications, limitations, and advantages of different platforms and sensors as well as future perspectives are welcomed.

sensors

IMPACT FACTOR 3.5 | Indexed in: PubMed | CITESCORE 8.2

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sensors
sensors@mdpi.com
𝕏@Sensors_MDPI