



*sensors*



an Open Access Journal by MDPI

## Remote Sensing for Water Monitoring in Agricultural Management and Development

Guest Editor:

**Dr. Alla Yurova**

V.V. Dokuchaev Soil Science  
Institute, Pyzhevskiy Pereulok 7,  
Moscow 119017, Russia

Deadline for manuscript  
submissions:

**closed (30 June 2023)**

### Message from the Guest Editor

We sincerely solicit your contributions in this field to our Sensors Special Issue. Research or review articles with respect to the following topics are welcome:

- Reconstructing the components of water balance by remote sensing;
- Soil moisture estimation by remote sensing;
- Vegetation processes indicators derived from remote sensing evapotranspiration retrievals;
- Solving agricultural planning optimization problem based on satellite data;
- Assimilation of remote sensing data in the forecast hydrological models;
- The research basins with long-term in situ monitoring for the satellite product validation;
- Novel mathematical methods for interpretation of the remote sensing data in water management;
- Flood control drought preparedness and mitigation and irrigation planning based on remote sensing data.



[mdpi.com/si/112172](https://mdpi.com/si/112172)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Dipartimento di Ingegneria  
Elettrica e dell'Informazione  
(Department of Electrical and  
Information Engineering),  
Politecnico di Bari, Via Edoardo  
Orabona n. 4, 70125 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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)