

## Special Issue

# Smart Remote Sensing Images Processing for Sensor-Based Applications

### Message from the Guest Editors

This Special Issue aims to gather cutting-edge research on innovative applications for remote sensing image processing and sensor-based data analytics. Potential topics include but are not limited to the following:

- AI for Remote Sensing Image Processing and Sensor Data Fusion
  - Machine learning for image classification, segmentation, and object detection.
  - Self-supervised/unsupervised learning for remote sensing data.
  - Multi-modal and multi-temporal data fusion techniques.
- Sensor-Integrated Platforms and Innovations
  - Satellite imagery analysis (high-resolution, hyperspectral, and SAR).
  - UAV/drone-based sensing and real-time processing.
  - Ground-based sensor networks and IoT integration.
- Domain-Specific Applications of Remote Sensing and Sensor Data
  - Environmental monitoring.
  - Atmospheric remote sensing
  - Precision agriculture.
  - Urban planning and smart cities.
  - Climate and oceanography studies.
- Challenges and Future Directions
  - Explainable AI for remote sensing.
  - Edge computing and lightweight models for on-device processing.

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### Guest Editors

Dr. Jiakui Tang

College of Resources and Environment (CRE), University of Chinese Academy of Sciences, Beijing 100049, China

Dr. Qing Zhang

Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences, Beijing 100049, China

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**Deadline for manuscript submissions**



## Sensors

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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