Special Issue

Applications of Remote Sensing in Ionosphere Observation

Message from the Guest Editor

In recent years, the use of remote sensing tools has revolutionized our understanding of the ionosphere, allowing for more precise measurements and continuous monitoring of its dynamics. These tools include satellite-based sensors, ground-based radar systems, GPS/GNSS networks, and radio occultation methods. This Special Issue seeks original research articles, reviews, and case studies that discuss the development, application, and outcomes of these tools in ionospheric science. The main topics of interest are:

- Advances in satellite and radar measurements of the ionosphere.
- Integration of multiple remote sensing datasets for ionospheric monitoring.
- Machine learning and data-driven approaches in ionospheric observation.
- Impact assessment of ionospheric disturbances on GPS/GNSS signals.
- Novel remote sensing technologies and their validation for ionospheric studies.

We look forward to receiving your contributions and sharing the latest research developments in this critical field of space science and technology. For more information, please visit: mdpi.com/si/204054

Guest Editor

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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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