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Applications of Remote Sensing in Ionosphere Observation

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Message from the Guest Editor

Dear Colleagues,

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.

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Prof. Dr. Andrzej Krankowski
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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