Special Issue

Satellite and Ground Monitoring and Measurements of Ionospheric and Geo Magnetic Disturbances and Space Weather Events

Message from the Guest Editors

This Special Issue aims to investigate the use of satellite and ground-based measurements to characterise the plasma conditions in the ionosphere and near-Earth environment with implications for extreme space weather applications. Contributions are welcome, and topics include, but are not limited to, the following:

- Investigation and modelling of ionospheric magnetospheric plasmas through in situ measurements on low earth orbit (LEO) satellite missions;
- Study of multiscale properties of the ionosphere through ionospheric indices;
- Study of in situ satellite measurements of plasmas based on remote sensing observations and empirical models from ground-based and space-based instruments;
- Characteristics of ionospheric plasmas under severe space weather events;
- Relationship with external source mechanisms of magnetosphere and solar wind origin under severe space weather events and impact on technological systems;
- Theoretical studies and modelling of the ionosphere.

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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