Special Issue

Advances in Ionospheric Studies over Polar Areas

Message from the Guest Editors

Solar–terrestrial interactions affect the entire Earth, but polar areas, being directly connected with outer space through the geomagnetic field lines, are a natural laboratory to monitor and conduct fundamental research on space weather and its effects on modern technological systems. Currently, different instruments support space weather research of the ionosphere and coupled magnetosphere–ionosphere system, from ground-based observations (Global Navigation Satellite System receivers, coherent and incoherent scatter radars, ionosondes, magnetometers, riomters, all-sky-imagers) to in-situ measurements provided by Low-Earth Orbit satellites and sounding rockets. Papers are welcomed which concern, among other subjects, recent developments in modeling and forecasting, monitoring methodologies, metrology, data analysis (especially based on multi-instrument observations), measurement campaigns and international initiatives related to the understanding of ionospheric structures, morphology, dynamics and related threats on technological systems such as communication and position, navigation and timing systems at high latitudes.

Guest Editors

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Message from the Editorial Board

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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