Special Issue

Severe Weather Observations and Meteorology Modeling Development Using Remote Sensing

Message from the Guest Editors

Severe weather events such as tornadoes, hurricanes, and thunderstorms pose a significant threat to human life and property. Accurate observations of these events and the ability to forecast them with precision are critical for reducing their impact. Remote sensing technology, including satellite and radar systems, has considerably advanced in recent years, as has our ability to exploit them for process understanding and data assimilation. Their measurements can provide information about the location, intensity, movement, and kinetic and microphysical structures of severe storms, which has greatly improved our ability to understand them. In addition, advances in meteorological modeling have allowed for more accurate and detailed predictions of severe weather events.

Topics may cover novel instruments and methods for the remote sensing of severe weather, new datasets for severe weather based on observations or modeling, new findings about thermodynamics and/or microphysics, and the application of remote sensing data for the development/improvement of numerical models.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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