

Special Issue

Dynamic Geophysical Phenomenon Monitoring Using Remote Sensing

Message from the Guest Editors

Dynamic geophysical phenomena embrace a wide range of observable and measurable events spanning from the nucleation and evolution of seismic sequences to geomagnetic field variations and fluid migration. The monitoring of dynamic geophysical processes implies major efforts both pertaining to the techniques required for the observations and the modeling of the acquired data. Among the possible monitoring techniques, those implying a remote observation of the phenomenon represent the main contributors to the large-scale understanding of such processes. Their role is likely going to grow in future years with new challenges coming from climate change, renewable energy and decarbonification demands, with significant efforts from research institutes and industries converging to these goals. Contributions on new approaches to monitoring processes that produce a changing geophysical signature in time are welcome. These may include but are not limited to fluid storage and migration in the subsurface, atmospheric fluid modeling, seismic sequence evolution, geomagnetic and gravity field variations, landslide geophysical modeling, and modeling of active sources in volcanic areas.

Guest Editors

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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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