Special Issue

Retrieval of Cloud and Precipitation by Ground-Based Radar and In Situ Observations: Application to Atmospheric and Volcanic Ash Clouds

Message from the Guest Editors

Remote Sensing dedicates this Special Issue to the ground-based techniques for the estimation of cloud and precipitation parameters. The mechanisms of energy balance variations are complex and not entirely understood and they potentially have a role in the climate modifications. For these reasons, it is essential to have information about the distribution and variability of the clouds and precipitation properties all over the Earth on a long-term basis. This Special Issue has the ambition to collect multidisciplinary initiatives in the fields of heterogeneous clouds and precipitation using ground-based sensors. A non-exhaustive list of potential thematic tracks could be: rain/solid precipitation microphysical parameter estimation, severe storm processes analysis and nowcasting, satellite and ground-based multi-sensors data fusion, data assimilation, radar and in situ networking at regional, national and continental level, urban scale monitoring and early warning tools, winter storms, description of ground-based climate records and observatories, algorithm innovations, validation studies, volcanic clouds observations from ground based sensors.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 2022)

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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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