Special Issue

Observation of Atmospheric Boundary-Layer Based on Remote Sensing

Message from the Guest Editors

Most human activities take place within the atmospheric boundary layer, the layer of the atmosphere closest to the Earth's surface. The ABL is directly influenced by the exchange of heat, moisture, and aerosol and gaseous constituents with the surface. Atmospheric profiling allows the measurement and characterization of atmospheric conditions at various heights, and hence, is critical for improving weather forecasts, air quality, and the projections of future climate scenarios, thereby leading to a better understanding of the atmospheric processes occurring in the climatic system. Ground-based sensors and satellite observations provide information on the high temporal variability and strong vertical gradients experienced within and above the ABL. With this aim and aligned with the objectives of the EU COST action PROBE (http://probe-cost.eu), this Special Issue is open to contributions dealing primarily with the remote sensing of the ABL, including support from in situ data, modelling approaches, and synergy using different techniques and equipment.

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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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