



## New Insights from Wind Remote Sensing

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submissions:

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### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to collect recent research in remote sensing for wind detection.

In the first case, the work should focus on advancements in experimental methods. Theoretical, experimental, or numerical evidence of the benefits and limitations of the proposed solutions should also be provided. In the second case, existing or novel experimental techniques should be used to investigate unexplored aspects of wind physics and shed light on phenomena relevant to atmospheric science, wind energy, and/or climate change mitigation.

The scope of this Special Issue includes, but is not limited to, the following themes:

- Studies of microclimate through novel remote sensing strategies
- Global and meso-scale wind detection through satellite imaging
- Use of nacelle-mounted, ground-based, or floating lidars and radars for wind energy
- Wind resource assessment through remote sensing
- Design of optimal lidar/radar scanning strategies
- Retrieval of temperature, moisture, gas concentration through remote sensing relevant for wind
- Uncertainty quantification of wind reconstruction techniques
- Error analysis of remote sensing based on virtual experiments





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## Message from the Editor-in-Chief

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