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Satellite Microwave Remote Sensing for Severe Storms Detection

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Deadline for manuscript submissions:
closed (30 September 2022)

Message from the Guest Editors

Dear Colleagues,

The last two decades have seen significant increasing precipitation products from satellite microwaves. New architectures of passive and active satellite sensors provided accurate measurements of precipitation by improving the retrieval of frozen hydrometeors. Currently, a wide range of microwave sensors orbiting around the Earth offers an unprecedented opportunity to investigate precipitating systems by identifying cloud-scale details useful to better classify cloud types and evaluate the severity degree of storms.

This Special Issue will publish contributions from research, operational products, and data assimilation capabilities of microwave satellites used in support of the investigation of severe storms. Studies that address connections with essential climate variables are particularly welcome. Contributions from CubeSat applications and theoretical studies with new microwave sensors onboard future satellite missions are also strongly encouraged.

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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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