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Guest Editors

# **Microwave Remote Sensing of the Atmosphere: Current Progress** and Future Vision

Guest Editors:	Message from the Guest Editors
Dr. Robbie Iacovazzi	Dear Colleagues,
Dr. Quanhua Liu	Microwave remote sensing of the atmosphere is critical to
Dr. William J. Blackwell	weather forecasting and environmental and climate monitoring. This special issue focuses on the progress and
Prof. Dr. V. Chandrasekar	future vision of ground-, aircraft-, and satellite-based active and passive atmospheric microwave remote sensing.
Dr. Rachael Kroodsma	Progress relates to improvements to calibration, and
Dr. Qifeng Lu	product validation and quality monitoring, of current microwave observations. It also includes current pre-
Prof. Dr. Steven C. Reising	launch sensor hardware and calibration algorithm design,
	fabrication, and testing updates. Future vision is an
	imagined state of atmospheric microwave sensing out to
	2050 that expands data volume, reduces data latency and
Deadline for manuscript	improves integration of observations from all missions. It
closed (15 March 2022)	communicates possible new instrument technologies and



forecasting and environmental and climate ng. This special issue focuses on the progress and ion of ground-, aircraft-, and satellite-based active ssive atmospheric microwave remote sensing. relates to improvements to calibration, and validation and quality monitoring, of current ve observations. It also includes current preensor hardware and calibration algorithm design, on, and testing updates. Future vision is an d state of atmospheric microwave sensing out to t expands data volume, reduces data latency and s integration of observations from all missions. It icates possible new instrument technologies and platforms, SI-traceable microwave standards, calibration approaches, data sharing strategies, and methods to harmonize and integrate data in space and time. This MDPI Remote Sensing special issue call for papers is an opportunity to globally share your progress and future vision on this topic along with international colleagues from public and private institutions alike.







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# **Editor-in-Chief**

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### Message from the Editor-in-Chief

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