

Special Issue

Electromagnetics and Polarimetric Weather Radar

Message from the Guest Editors

This Special Issue, while largely dedicated to the role of electromagnetics in dual-polarization weather radars, has a much broader scope and includes radio wave propagation, scattering models for complex shaped hydrometeors, the polarimetric-basis for retrieval of microphysical parameters and processes, microphysical models and coupled radar forward models, rainfall estimation, winter precipitation estimation, hydrometeor classification, and so on. With the rapid advances in phased array technology, articles describing the polarimetric measurement accuracies or recent measurements from such advanced radars are invited. Articles involving the polarimetric radar studies of non-meteorological phenomena, such as insects and bird migration, are also welcome.

Guest Editors

Prof. Dr. Viswanathan Bringi

Department of Electrical and Computer Engineering, Colorado State University, Fort Collins, CO, USA

Dr. Merhala Thurai

Department of Electrical and Computer Engineering, Colorado State University, Fort Collins, CO, USA

Deadline for manuscript submissions

closed (15 January 2020)



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.4



mdpi.com/si/23137

Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)





Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.4



[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)



About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q2 (Environmental Science (miscellaneous))