

# Special Issue

## Microphysics of Precipitation Particles: Raindrops, Hail, and Snow

### Message from the Guest Editor

Precipitation, both solid and liquid, plays a central role in the Earth's water cycle. On the one hand, it is the primary source of life-giving freshwater, and on the other hand, hail storms, freezing rain, severe rainfall and the associated floods, and landslides are among the most hazardous weather phenomena, having harmful economic, societal, and natural impacts. Hence, precipitation prediction, adequate observation, and short-term forecast at regional and global scales under changing climatic conditions are crucially important scientific issues.

This Special Issue aims to advance our understanding on the microphysics of single precipitation particles (e.g., hail, graupel, snow, rain, and cloud droplets), as well as the interactions among these hydrometeors. We invite contributors to submit original articles on laboratory and field measurements, numerical simulations, and theoretical studies on precipitation microphysics and aerodynamics. Articles on atmospheric phenomena related to precipitation microphysics (e.g., rainbow and halos) are also welcome.

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### Guest Editor

Dr. Miklós Szakáll

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### Deadline for manuscript submissions

closed (15 August 2020)



# Atmosphere

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## 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!

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### Editor-in-Chief

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