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# Improving Extreme Precipitation Simulation

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Deadline for manuscript submissions:
**closed (25 March 2024)**

## Message from the Guest Editors

In recognition of these urgent needs to improve model skill in capturing extreme precipitation, the open-access journal *Atmosphere* is hosting a Special Issue to showcase the most recent findings related to extreme precipitation simulation, model improvement, parameterization scheme development, and process understanding. Tthis Special Issue aims to highlight the most recent developments, techniques, and physical understandings, as well as new evidence from observations. We also encourage relevant studies assessing the societal effects of extreme precipitation based on numerical model results.

Original results from model studies, model evaluation, model development, surveys, and review papers related to extreme precipitation are all welcome contributions. Authors are encouraged to include a section touching on future issues, opportunities, and/or concerns related to their topics, on the 5-, 10-, and 20-year horizons.

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## 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!

## Author Benefits

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**Journal Rank:** CiteScore - Q2 (Environmental Science (miscellaneous))

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