

Special Issue

WRF Simulations at the Mesoscale: From the Microscale to Macroscale

Message from the Guest Editor

WRF is the most useful and power numerical model used by the scientific community, applied for studding large range of atmospheric topics, such as precipitation, heat and cold events, pollution, renewable energy, wind cycles, severe storms, etc... These topics run from the macroscale to the microscale, and the mesoscale. This special issue calls for contributions showing significant episodes, events and phenomena simulated by using WRF model in the whole meteorological scales above-mentioned. In addition, simulations studying significant and original phenomena are welcomed, as well as samples of WRF methodologies, parameterizations, studies based on the chemical and wildfire modules, and numerical experiments. We encourage to the WRF's users community to submit their research to this special issue in order to share the knowledge accumulated over the WRF model.

Guest Editor

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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!

Editor-in-Chief

Dr. Daniele Contini

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