

Special Issue

Decision Support System for Fog

Message from the Guest Editors

The further refinement of numerical weather prediction (NWP) models, new observation platforms and observational networks, and the advanced analysis capabilities offered by artificial intelligence and machine learning algorithms all represent potential sources of improvement in next-generation fog predictions. This Special Issue is intended to provide a summary of recent research in the development of new decision support systems for fog nowcasting and forecasting using different approaches (e.g., data-driven techniques, NWP model, ensemble forecasting systems, artificial intelligence, and machine learning algorithms), either used individually or in combination. We invite authors to submit original research and review articles that describe decision support systems improving fog forecasting, the needs for improved observations, and the application of new techniques for developing next-generation objective tools for improving low visibility predictions.

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Deadline for manuscript submissions

closed (3 February 2023)



Atmosphere

an Open Access Journal
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Impact Factor 2.6
CiteScore 5.4



mdpi.com/si/108594

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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

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