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# Weather Impacts on Uncrewed Aircraft

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Deadline for manuscript submissions:
**closed (18 February 2025)**

## Message from the Guest Editors

Dear Colleagues,

Advanced Air Mobility (AAM) seeks to bring safe, accessible, affordable, and automated aerial services and transportation for cargo and passengers. The aircraft participating in this new air transportation system span from small multirotors to larger uncrewed aircraft (UA) that transport people. Most of these operations will take place between the surface and 1500 m above the ground, i.e., typically within the atmospheric boundary layer (ABL), and span both urban and rural areas.

This Special Issue aims to bring together the considerations that must be given to UA design and flight operations due to the wide variety of anticipated weather conditions for AAM operations. We welcome submissions that consider the wide variety of weather impacts and considerations, including, but not limited to:

- Aircraft design;
- Aircraft flight test;
- Sensor development and testing;
- Weather forecasting;
- Weather forecasting products;
- Environmental characterization;
- Mission planning;
- Measurement platforms of opportunity.

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Special Issue

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## Editor-in-Chief

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## Message from the Editor-in-Chief

*Drones* is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

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