drones

an Open Access Journal by MDPI

IMPACT FACTOR 4.4

CITESCORE 5.6

Recent Development in Drones Icing

Guest Editors:

Dr. Eric Villeneuve
Anti-Icing Materials International Laboratory, Applied Sciences, Université du Québec à Chicoutimi, Chicoutimi, QC G7H 2B1, Canada

Dr. Richard Hann
Department of Engineering Cybernetics, Norwegian University of Science and Technology, 7491 Trondheim, Norway

Deadline for manuscript submissions:
15 January 2025

Message from the Guest Editors

The goal of this Special Issue is to present papers, whether original research articles or review papers, about recent developments in the study of drone icing. We encourage submissions that will enlighten the scientific community with the most recent advancements in atmospheric icing, experimentation, and ice protection systems, including but not limited to the following:

1) Atmospheric icing conditions, simulations, and forecasting;

2) Ice accumulation on fixed-wing and rotary-wing UAVs and methods for measuring ice layers;

3) Performance degradation due to icing;

4) Experimental facilities and state-of-the art setups;

5) Thermal and other active ice protection systems for wings and other parts of UAVs;

6) Development and application of nano technologies as passive ice protection systems;

7) Numerical simulation and prediction of ice accumulation and protection systems;

8) Onboard ice detection methods and anti-icing/de-icing control;

9) Design, modeling, simulation, and experimentation of new and unconventional configurations against icing;

10) Challenges of urban air mobility and delivery applications.

mdpi.com/si/208072

drones

an Open Access Journal by MDPI

IMPACT FACTOR 4.4

CITESCORE 5.6

Editor-in-Chief

Prof. Dr. Diego González-Aguilera
Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

Message from the Editor-in-Chief

Drones is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.

There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High visibility: indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.
Journal Rank: JCR - Q1 (Remote Sensing) / CiteScore - Q1 (Aerospace Engineering)

Contact Us

Drones Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/drones
drones@mdpi.com
𝕏@Drones_MDPI