Special Issue

Recent Advances in Icing Studies and Energy-Efficient De-Icing/Anti-Icing Technologies

Message from the Guest Editors

To address these issues, researchers are studying icing physics in lab-scale setups and large wind tunnels, while also developing advanced numerical models to predict ice formation. Recent innovations in active and passive de-icing/anti-icing strategies aim to delay ice nucleation, slow ice growth, reduce adhesion, and promote melting. This Special Issue focuses on recent advances in both experimental and numerical investigations of icing physics, as well as state-of-the-art energy efficient de-icing/anti-icing technologies. This Special Issue invites original research papers, as well as literature reviews. The topics of interest for this Special Issue include (but are not limited to) the following:

- Icing wind tunnel techniques;
- Icing detection techniques;
- SLD and ice crystal generation techniques;
- Icing physics;
- Novel icing and de-icing/anti-icing numerical models;
- Energy efficient de-icing/anti-icing technologies.

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Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

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