



Application of Aerodynamics in Aerospace

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Message from the Guest Editors

Aerodynamics, the study of the interaction of air with solid objects, is a main pillar in aerospace engineering. The scope of this Special Issue includes, but is not limited to, the following key topics:

1. Computational fluid dynamics (CFD): research on numerical techniques for aerodynamic analysis applied to the aerospace field.
2. Wind tunnel testing: research on experimental techniques for aerodynamic analysis applied to the aerospace field.
3. Aircraft aerodynamics: exploring the design and optimization of aircraft shapes to enhance performance, efficiency and safety and engine integration.
4. Spacecraft aerodynamics: research on the unique challenges of aerodynamics in space exploration.
5. Unmanned aerial vehicles (UAVs): aerodynamic considerations in the design and operation of UAVs.
6. Supersonic and hypersonic flight: addressing the challenges in supersonic and hypersonic flight.
7. Ventilation and thermal comfort: air flows inside aircrafts and spacecrafts.
8. New concepts: new aerospace concepts or technologies involving aerodynamics in different ways.

We invite researchers to submit original research articles, reviews.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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