

## Special Issue

# Climate Impact of Aviation

### Message from the Guest Editor

This Special Issue is devoted to research on the climate impact of aviation. It provides a publication framework for applied studies combining various disciplines to investigate how the future climate is affected by developments in air transportation. Such developments could, for example, be based on forecasts on the growth in air travel demand and flight movements including projected route network changes in the future as well as technology improvement scenarios. Detailed impact assessment of new overall aircraft designs and technologies including aircraft subsystems as well as new propulsion concepts and alternative energy carriers also perfectly fit within the scope of this Special Issue. Similarly, studies on new operational measures and policy-driven approaches or market-based measures are welcome. Papers in this Special Issue should include quantitative climate impact assessments including the non-CO<sub>2</sub> effects of aviation. Submitted papers should be interdisciplinary and include elements from atmospheric physics/chemistry on the one hand and aviation-related subjects from, for example, aeronautical engineering, aviation management or operations research on the other.

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### Guest Editor

Dr. Florian Linke

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### Deadline for manuscript submissions

closed (20 May 2023)



## Applied Sciences

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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