## **Special Issue**

# Advances in Aircraft Alternative Fuel Sources and Systems: Aviation Decarbonization and Aircraft Design

## Message from the Guest Editors

Decarbonization of our urban, industry and transportation sectors, has been under intensive research focus for several years. Hydrogen and Sustainable Aviation Fuels are a few of a handful of new. low to no-carbon emissions solutions that will be critical for the world's transition towards a Net Zero emission future. As part of decarbonised renewable energy systems, these novel energy sources could be a versatile replacement for high-carbon fuels used today helping to bring down emissions in vital industrial sectors and providing flexible energy for transport. This special issue is aimed at providing the recent insights in the technological advances related to aircraft alternative fuel sources and systems, through the technology lenses of aircraft design, with a view towards aviation decarbonization. Topics of interest for publication include, but are not limited to:

- Aircraft concepts and design for aviation decarbonization
- Aviation electrification and electric propulsion using alternative fuels
- Fuel Cells for the aviation transportation sector
- Thermal management of alternative fuel aviation systems
- Hydrogen, compressed or liquified

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## Deadline for manuscript submissions

closed (31 December 2023)



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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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