

Special Issue

Scientific and Technological Advances in Hydrogen Combustion Aircraft

Message from the Guest Editor

Mitigating the climate change trajectory is a major challenge across the globe. Advancing the future state of aviation with decarbonized aircraft operated with hydrogen fuel is thus important in this worldwide effort. To meet the future deployment of clean, decarbonized, safe, and efficient thermal-powered aircraft in civil aviation, research on fundamental processes and mechanisms at work in aviation technologies is required to improve them. New concepts can be developed and investigated to open new routes as well. Typical operating conditions (operating pressure and inlet temperature) of interest encompass atmospheric and engine-relevant conditions (1 atm, 35 atm) (295 K, 750 K). Liquid cryogenic injections are of interest.

Guest Editor

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Deadline for manuscript submissions

30 September 2025



Aerospace

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.0



mdpi.com/si/219752

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