

Special Issue

Advances in Experimental and Computational Combustion

Message from the Guest Editor

Combustion processes are integral to various aerospace engineering applications, such as aircraft engines, rocket engines, and high-speed propulsion systems (ramjets/scramjets). All these propulsion systems depend on chemically reacting flows. It is also anticipated that combustion will remain, at least in aerospace applications, the main source of energy for several decades until renewable energy sources become more economically viable. However, due to concerns regarding climate change and environmental impacts, the combustion of fossil fuels is a challenging issue that requires further research. Thus, furthering our understanding of the combustion phenomenon/process will contribute to enhancing combustion efficiency, reducing pollutant emissions, and the development of efficient combustion systems. This Special Issue of *Aerospace* will cover recent developments and advances in experimental, analytical, and computational combustion in relation to aerospace propulsion systems, such as aircraft engines, rocket engines, supersonic/hypersonic combustion, ramjets, and scramjets. Possible topics include, but are not limited to, liquid

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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



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You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.

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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