

Special Issue

Hybrid Rocket Engines

Message from the Guest Editor

In this Special Issue, we invite contributions relating to the advancement of hybrid rocket engine technology, including, but not limited to: performance enhancement technology (such as paraffin-wax-based fuel, metallic additives, swirl oxidizer injection, unique grain design), combustion and flow simulation (such as large eddy simulation, dynamic numerical simulation, thermochemical erosion, heat transfer of radiation), molecular dynamics, overall optimization design, multidisciplinary design and optimization, optimization with uncertainty, feeding system design, engine component design, ablation-resistant nozzle technology, electric pump pressurized systems, thrust throttling technology, ignition technology, advanced measurement technology, and novel applications.

- hybrid rocket engine
- performance enhancement technology
- combustion and flow theory
- engine component design
- thrust throttling, optimization, applications

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2023)



Aerospace

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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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