

Special Issue

Advances in Detonative Propulsion

Message from the Guest Editors

Detonative propulsion represents the new generation of hypersonic propulsion techniques. Research in its field is booming and many advances have been made globally in recent years. The aim of this Special Issue is to publish these cutting-edge research results to promote the development of detonative propulsion and the cooperation of researchers in this field. The topics for this Special Issue are broad, including (but not limited to)

- oblique detonation engines,
- rotating detonation engines,
- pulsed detonation engines,
- propulsive performance analysis of detonation engines,
- the fundamental physics of gaseous detonation and multiphase detonation,
- the design of detonation engines,
- and all other research related to detonative propulsion techniques.

We invite authors to contribute new research results to this Special Issue.

Guest Editors

Dr. Yunfeng Liu
Prof. Dr. Yancheng You
Dr. Zijian Zhang

Deadline for manuscript submissions

closed (15 July 2024)



Aerospace

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.0



mdpi.com/si/173248

Aerospace
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
aerospace@mdpi.com

[mdpi.com/journal/
aerospace](https://mdpi.com/journal/aerospace)





Aerospace

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.0



[mdpi.com/journal/
aerospace](https://mdpi.com/journal/aerospace)



About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Konstantinos Kontis
School of Engineering, University of Glasgow, James Watt Building
South, University Avenue, Glasgow G12 8QQ, Scotland, UK

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Aerospace) / CiteScore - Q2
(Aerospace Engineering)