



Jet Flows

Guest Editors:

Prof. Dr. Taro Handa

Department of Advanced Science
and Technology, Toyota
Technological Institute, Aichi
468-0034, Nagoya, Japan

Dr. Taku Nonomura

Department of Aerospace
Engineering, Graduate School of
Engineering, Tohoku University,
Sendai 980-8577, Miyagi, Japan

Deadline for manuscript
submissions:

closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

Since jet flows have a wide range of engineering applications, they take various forms, including liquid, gas, plasma, a mixture of several phases, laminar/turbulent flow, compressible/incompressible flow, subsonic/supersonic flow, and so on. Jet flows cause various interesting phenomena, such as, in a gas-phase jet, the oscillation and sound generation resulting from several complicated mechanisms such as instability in the shear layer, vortex generation and collapse, and vortex/wall or vortex/shockwave interaction; in a liquid or gas–liquid two-phase jet, a change in phase from liquid to gas or vice versa, occasionally resulting in unstable phenomena.

Various applications of jet flows are being considered in aerospace engineering, such as propulsion, injector, ejector, cooling, heating, atomization, and so on. The scales of jet flows appearing in aerospace engineering range from micro to macro.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Konstantinos Kontis

School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, UK

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.

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)

Contact Us

Aerospace Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/aerospace
aerospace@mdpi.com
[X@Aerospace_MDPI](#)