Special Issue

Enabling Solutions for the Grand Challenge of Electric Propulsion Development

Message from the Guest Editors

Electric propulsion (EP) boasts a remarkable legacy of success within just a few decades, tracing its origins as an independent field back to the early 1960s. This rapid ascent, however, faces transformative challenges driven by the evolving demands of the modern era of space exploration. The need for faster, cost-effective development methodologies is reshaping the EP landscape, and it will be essential to scale EP system manufacturing to match the rise in satellite constellations. Sustainability goals, rapid time-to-market pressures, and demands for high reliability challenge traditional design and qualification norms, intensifying the drive to evolve conventional methods. Conventional practices are being further challenged by the increasing interest in very-low Earth orbit (VLEO) operations, as well as ambitions for more challenging deep-space science and human exploration missions that push boundaries in the ability to demonstrate integrated system performance and lifetime. Facility effects and the limitations of ground testing continue to be highlighted by gaps in translating on-ground verifications to on-orbit performance.

Guest Editors

Dr. Maryam Reza

Dr. Farbod Faraji

Dr. Dan M. Goebel

Dr. Kurt Polzin

Deadline for manuscript submissions

31 March 2026

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/si/234344

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

mdpi.com/journal/aerospace

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/journal/aerospace

MDPI

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)