

Special Issue

Advances in Lunar Exploration

Message from the Guest Editors

This Special Issue of *Aerospace* delves into recent advancements and investigations concerning the technologies, applications, and services essential for enabling future Moon missions. The focal points will span from the imperative to furnish navigation services for landers and orbiter spacecraft, to the utilization of in situ resources, surface exploration via rovers (which also entails employing artificial intelligence techniques for enhanced autonomy), communication with Earth and other lunar bases, outpost design, encompassing all the associated challenges (such as radiation shielding, impact protection, and power optimization), tailored life support systems addressing the unique challenges of the Moon, and the issues and opportunities surrounding lunar gateways.

Guest Editors

Dr. Marco Sabatini

Scuola di Ingegneria Aerospaziale, Sapienza Università di Roma, Via Salaria 851, 00138 Roma, Italy

Dr. Leonard Felicetti

Centre for Autonomous and Cyber-Physical Systems, School of Aerospace, Transport and Manufacturing, Building 83, Cranfield University, Cranfield MK43 0AL, UK

Deadline for manuscript submissions

closed (28 February 2025)



Aerospace

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.0



mdpi.com/si/204215

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, 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)