



Rotorcraft

Guest Editor:

Dr. Jacopo Serafini

Department of Engineering,
Roma Tre University, Via della
Vasca Navale, 79, 00144 Roma,
Italy

Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editor

In recent years, rotary wing aircraft has dramatically changed due to the introduction of several types of rotorcraft, ranging from multicopter to compound helicopters and tiltrotors, enlarging the spectrum of operations. This has been made possible by the advancement of the various disciplines involved in the design of rotary wing aircraft. However, several issues still remain open, requiring theoretical and technological development. Moreover, many of the theories developed for rotorcraft have found another field of application, especially in the wind turbine sector. This Special Issue aims to present the most recent advancement related to rotorcraft, including but not limited to:

- Aerodynamics
- Aeroelasticity
- Autonomous flight
- Electric rotorcraft
- Flight dynamics and simulation
- Flight control systems/navigation systems
- Crashworthiness/ditching
- Health and usage monitoring and predictive maintenance
- Innovative rotorcraft design
- Multicopters
- Noise
- Operations
- Rotorcraft–pilot interactions
- Sensors and avionics
- Structures and materials
- Transmissions
- Vibrations





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](#)