Special Issue

Aviation Science and Technology Applications

Message from the Guest Editor

This special issue aims to explore the latest advancements and applications in aviation science and technology. We invite original papers, but are not limited to, the following topics:

- Sustainable Aviation: Green technologies and alternative fuels.
- Human Factors and Ergonomics: Pilot training, cockpit design, and human-machine interaction.
- Aviation Operations and Management: Airline operations, maintenance, and logistics.
- Aviation Safety and Security: Safety protocols, risk management, and security technologies.
- Aviation Education and Training: Technology and tools to enhance education and training.
- Aircraft Maintenance, Repair, and Overhaul: 3D printing, IoT, and AI/ML, etc.
- Aircraft Design and Engineering: Aerodynamics, materials, and propulsion systems, etc.
- Air Traffic: Air traffic control systems, optimization algorithms, and automation.
- Drones (UAS/UAV/RPAS): Development and applications of unmanned systems.
- Urban Air Mobility: Technologies and frameworks for urban air mobility.
- Aerospace Transportation: Point-to-point space, supersonic, and even hypersonic concepts.

We look forward to your contributions that will help shape the future of aviation.

Guest Editor

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Deadline for manuscript submissions

31 December 2025

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About the Journal

Message from the Editor-in-Chief

Technologies, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

Editor-in-Chief

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Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (Computer Science (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.8 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).

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