



## Biomimetics in Aerospace Engineering

Guest Editor:

**Dr. Mostafa Hassanalian**

Department of Mechanical  
Engineering, New Mexico Tech,  
Weir Hall, Room 208, Socorro, NM  
87801, USA

Deadline for manuscript  
submissions:

**closed (30 September 2020)**

### Message from the Guest Editor

This Special Issue invites submissions that apply the knowledge learned and inspired by nature and biological systems to solve concrete aerospace engineering problems, including but not limited to:

- Bioinspired morphing design for aerial systems;
- Biomimetics or bioinspired approaches for aerial systems drag reduction;
- Bioinspired drones/UAVs;
- Avian/insects and bioinspired flying systems;
- Bioinspired materials for aerospace structures;
- Bioinspired or biomimetics control techniques for aerospace systems;
- Bioinspired or biomimetics multisensory navigation;
- Bioinspired or biomimetics propulsion systems for aerial vehicles;
- Bioinspired flocking and swarming flight;
- Bioinspired amphibious systems;
- Bioinspired antipredator adoption mechanisms for aerial systems.





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, Scotland, 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](http://www.mdpi.com)

[mdpi.com/journal/aerospace](http://mdpi.com/journal/aerospace)  
[aerospace@mdpi.com](mailto:aerospace@mdpi.com)  
[X@Aerospace\\_MDPI](https://twitter.com/Aerospace_MDPI)