Special Issue

Dynamics Modeling and Conceptual Design of UAVs

Message from the Guest Editors

This Special Issue aims to collect papers (original research articles and review papers) to give insights into new developments in dynamic modeling and conceptual design of advanced UAVs. Potential topics include but are not limited to aerodynamic modeling of UAVs, system identification and parameter estimation of UAVs, development of control strategies for UAV stabilization and control, multi-disciplinary design optimization of UAVs, and design and analysis of novel UAV concepts and configurations. The contributions include but not limited to:

- Aerodynamic modeling of UAVs;
- System identification and parameter estimation of UAVs;
- Development of control strategies for UAV stabilization and control;
- Multi-disciplinary design optimization of UAVs;
- Design and analysis of novel UAV concepts and configurations.

We look forward to receiving your original research articles and reviews.

Prof.

Guest Editors

Prof. Dr. Ni Li

Dr. Ban Wang

Prof. Dr. Shuhui Bu

Dr. Mostafa Hassanalian

Deadline for manuscript submissions

closed (20 August 2025)

Drones

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 7.4

mdpi.com/si/193439

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

mdpi.com/journal/drones

Drones

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 7.4

mdpi.com/journal/drones

About the Journal

Message from the Editor-in-Chief

Drones is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.
There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera
Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

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 - Q1 (Remote Sensing) / CiteScore - Q1 (Aerospace Engineering)