

Special Issue

Swarm Intelligence-Inspired Planning and Control for Drones

Message from the Guest Editors

We are pleased to invite you to submit manuscripts to the MDPI *Drones* Special Issue on “Swarm Intelligence-Inspired Planning and Control for Drones”. This Special Issue is inspired by the applications of networked drones in complex and variable missions. Within this context, we invite manuscripts for this Special Issue on “Swarm Intelligence-Inspired Planning and Control for Drones”. Papers are solicited in areas directly related to topics including, but not limited to, those listed below: (1) Swarm intelligence-based task and path planning for drone swarms; (2) Cooperative control scheme for drone swarms; (3) Optimization techniques for swarm behavior and performance; (4) Collision avoidance and conflict resolution in drone swarms; (5) Real-time communication and coordination among networked drones; (6) Applications of swarm intelligence for drones in dynamic and complex environments.

Guest Editors

Prof. Dr. Kaiyu Qin

Prof. Dr. Haitao Nie

Prof. Dr. Jinliang Shao

Prof. Dr. Lei Shi

Dr. Mengji Shi

Dr. Boxian Lin

et al.

Deadline for manuscript submissions

closed (31 March 2026)



Drones

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.4



mdpi.com/si/213757

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

[mdpi.com/journal/
drones](https://mdpi.com/journal/drones)





Drones

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.4



[mdpi.com/journal/
drones](https://mdpi.com/journal/drones)



About the Journal

Message from the Editor-in-Chief

Drones is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field 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)