

## Special Issue

# UAV Path Planning Algorithms for Surveillance and Reconnaissance in Civil Applications

### Message from the Guest Editors

This Special Issue focuses on recent advances in UAV path planning algorithms designed for surveillance and reconnaissance in civil applications. As unmanned aerial systems become increasingly integral to tasks such as environmental monitoring, infrastructure inspection, disaster response, and public safety, the need for robust, intelligent, and adaptive navigation strategies has grown significantly. This Issue aims to showcase innovative approaches in autonomous navigation, including the integration of machine learning techniques for real-time decision-making, obstacle avoidance, cooperative multi-UAV coordination, and trajectory optimization in complex and dynamic environments. Manuscripts related but not limited to design and development, guidance, navigation, and control (GNC), virtual simulations, and ground testing of UAVs are welcome.

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### Guest Editors

Prof. Dr. Octavio Garcia-Salazar

Prof. Dr. Anand Sanchez-Orta

Dr. Aldo Jonathan Muñoz-Vazquez

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### Deadline for manuscript submissions

28 January 2026



## Drones

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## 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.

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### Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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