

Special Issue

Advances in Autonomy of Underwater Vehicles (AUVs)

Message from the Guest Editors

This Special Issue aims to highlight the cutting-edge developments in autonomous systems, focusing on the technological innovations, algorithms, and practical applications that are driving the next generation of underwater vehicles. By bringing together contributions from leading researchers and experts in the field, this Special Issue seeks to showcase the state-of-the-art in underwater vehicle autonomy, explore emerging trends, and identify future research directions. This Special Issue will welcome manuscripts that link the following themes:

- **Advanced autonomy algorithms**
- **Sensor integration and perception**
- **Energy efficiency and power management**
- **Communication and data transmission**
- **Multi-vehicle coordination and swarming**
- **Autonomy in challenging environments**
- **Applications in scientific research**
- **Industrial and commercial applications**
- **Simulation and testing platforms**
- **Ethical and regulatory considerations**

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

Guest Editors

Prof. Dr. Neil Bose

Dr. Shuangshuang Fan

Dr. Jimin Hwang

Deadline for manuscript submissions

20 September 2025



Drones

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Impact Factor 4.8
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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.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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