

## Special Issue

# Bio-Inspired Underwater Robots: 2nd Edition

### Message from the Guest Editor

This Special Issue, entitled "Bio-Inspired Underwater Robots", seeks to introduce the latest research on the development of bionic underwater robots. The highlights are presented as follows:

- An introduction to kinematic and theoretical models of undulating fin robots is presented based on the structure, morphology, and motion characteristics of typical bionic objects;
- The progress of research on the undulating propulsion mechanism of an undulating fin robot is presented in terms of theoretical derivation, numerical simulation, and validation tests;
- The propulsion mechanism and prototype development technology of the undulating fin robot are summarized, and suggestions are made for the development of undulating propulsion underwater robots.

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### Guest Editor

Prof. Dr. Guijie Liu

Department of Mechanical and Electrical Engineering, Ocean University of China, Qingdao, China

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### Deadline for manuscript submissions

closed (25 March 2024)



## Biomimetics

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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