



## Bio-Inspired Underwater Robot

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

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

1. 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;
2. 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, respectively;
3. The propulsion mechanism and the prototype development technology of the undulating fin robot are summarized and suggestions are made for the development of undulating propulsion underwater robots.

Prof. Dr. Guijie Liu  
*Guest Editor*

