

## Special Issue

# From Fundamental Research to Application of Bio-Inspired, Bio-Hybrid, and Soft Robotics

### Message from the Guest Editors

Organisms have an excellent balance of intelligence and body, and are excellent in adaptability and robustness. Robotic systems that can behave like living organisms have been developed for many years. Among these robotic research, it has focused on mimicking the body structure of living organisms, modeling the intelligence of living organisms, and using biological materials as robotic components. In recent years, attention has been paid to the field of soft robotics, in which the robotic body is composed of soft materials. The biological experimental techniques and system design theories that support these fields are important for the next generation of robotics and should be recognized by researchers in a wide range of fields. The purpose of this Special Issue is to introduce the latest research in the areas of bio-inspired robotics, bio-hybrid robotics, and soft robotics. Because these areas are at the interface between science and engineering, we welcome submissions on a wide range of topics such as neuroethology, cyborg technology, and soft sensors.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 November 2024)



## Applied Sciences

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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