# Special Issue

# Bio-Inspired Soft Robotics

### Message from the Guest Editor

This Special Issue on "Bio-Inspired Soft Robotics" aims to present new findings and ideas in the field of bio-inspired soft robotics. Manuscripts from the field of soft robotics which try to take into account biological patterns in nature will be primarily beneficial. Contributions can deal with the possibilities of locomotion and the change in a structure's shape or behavior in response to external stimuli. To this end, we encourage the submission of papers with new advances in theoretical, experimental, and computational approaches to applications of bionic robots with various variable structures, shapes, and control capabilities.

- bioinspired soft mechanisms
- bio-inspired actuators
- biorobotics
- bio-inspired soft robotics
- biomimetic soft robots
- soft robot control
- locomotion of bio-inspired soft robots

### Guest Editor

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### Deadline for manuscript submissions

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# About the Journal

## Message from the Editorial Board

We are just entering the Next Wave of Technology (NWT) where actuators will play the same role as the computer chip did for computers/social media approximately four decades ago. Just in the U.S., production of $1 trillion year of electromechanical systems (vehicles, orthotics, manufacturing cells, freight trains, aircraft, etc.) will be impacted by the NWT, all driven by actuators. Five key trends can be found for the future perspectives: “Performance to Reliability”, “Hard to Soft”, “Macro to Nano”, “Homo to Hetero” and “Single to Multi functional”. We invite papers that primarily impact these economic sectors; those illustrating basic scientific principles are also welcome.

## Editors-in-Chief

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