

Special Issue

Biomimetic Sensors and Actuators

Message from the Guest Editor

This Special Issue is devoted to the new challenging topic of smart sensors and actuators in various research fields. Biomimetics (biomimicry) is an interdisciplinary field in which principles from engineering and biology are applied to the synthesis of materials, synthetic systems, or machines that have functions that mimic biological processes. At present, plant, animal, and insect structures are providing new functional concepts to scientists and engineers for the development of biomimetic sensors and actuators. We are inviting submissions to this Special Issue on Biomimetic Sensors and Actuators. Biomimetic sensors include various bioinspired detections, artificial sensory systems, and responsive materials. Biomimetic actuators deal with various bioinspired actuations and robotics including smart actuators, artificial muscles, and soft actuators. Moreover, the submission of new findings and research on biomimetic design and mechanisms are also welcomed to the Special Issue.

Guest Editor

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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