applied sciences

an Open Access Journal by MDPI

IMPACT FACTOR 2.7

CITESCORE 4.5

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

Guest Editors:

Dr. Shunsuke Shigaki
Principles of Informatics Research Division, National Institute of Informatics, 2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo 101-8430, Japan

Prof. Dr. Daisuke Kurabayashi
Department of Systems and Control Engineering, Tokyo Institute of Technology, 2-12-1 Ookayama, Meguro-ku, Tokyo 152-8552, Japan

Deadline for manuscript submissions:
20 November 2024

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.

applied sciences

IMPACT FACTOR 2.7

CITESCORE 4.5

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
𝕏@Applsci