Special Issue

New Insights into Bio-Inspired Robots for Medical Applications

Message from the Guest Editor

Robotic technologies have been widely applied over recent decades. As innovations and new research ideas rapidly accelerate in the field, biologically inspired techniques signify new possibilities to overcome the limitations of conventional robots for medical applications. Combined with the emerging development of artificial intelligence, sensing and imaging technologies, bio-inspired robotic and mechatronic systems will have a bright future to reach their ultimate potential for medical applications. Along with the recent enormous research gains, bio-inspired technologies offer novel opportunities for intelligent medical diagnostics and therapeutic systems. We hope to establish a collection of papers that will be of interest to scholars in the field. This Special Issue seeks to collect recent research on bio-inspired medical robotics, which is a fruitful domain experiencing tremendous levels of research activity and interest. We look forward to the participation of researchers who are conducting research in this field.

Guest Editor

Dr. Lin Cao

Department of Automatic Control and Systems Engineering, University of Sheffield, Sheffield S1 3JD, UK

Deadline for manuscript submissions

closed (30 July 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/137045

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

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

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

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)