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Control and Application for Biorobotics

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Message from the Guest Editors

The field of biorobotics is rapidly evolving, offering innovative solutions that bridge the fields of biology and robotics in order to address complex challenges. This Special Issue focuses on the control and application of biorobotics, encompassing a wide range of biosoftics; this includes, but is not limited to, soft robotics, continuum robotics, bioinspired aerial robotics, climbing robots, legged robotics, origami robotics, nanorobots, humanoid robots, and swarm robotics. By leveraging biological principles, biorobots can achieve unprecedented levels of adaptability, precision, and efficiency. The key areas of interest include novel control models, advanced actuation and sensing technologies, and practical applications in various domains such as healthcare, environmental monitoring, complex condition detection, and industrial automation. This Special Issue aims to provide a comprehensive overview of recent advancements, theoretical developments, and practical implementations in the field of biorobotics, encouraging interdisciplinary collaboration and the dissemination of cutting-edge research.



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Special Issue



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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.

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