Modelling Biological Systems for Digitalisation of Bioindustries

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Deadline for manuscript
submissions:
closed (28 February 2021)

Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we invite submissions exploring the utilisation of formal or data-driven approaches to model biological systems in a variety of applications related to or implicated in bioindustries. Contributions can focus on but are not limited to network-based analysis, formal modelling, or ML-based predictive modelling of biological phenomena, modelling of mono-cultures or mixed-species cultures and their associated bioprocesses, or novel approaches in control of these systems that are directly relevant for bioindustries. Computational or bioinformatics tools that enhance our understanding of cellular and biological phenomena and facilitate their utilisation in bioindutries including those relevant for strain design and selection, as well as survey papers and reviews related to these areas are also welcomed.

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Guest Editors

Special Issue

Editor-in-Chief

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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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