



Modelling, Analysis, Simulation, Control, and Optimization of Bioprocesses in Bioreactors II

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Deadline for manuscript submissions:

closed (15 December 2021)

Message from the Guest Editor

Bioprocess engineering deals with the design and development of equipment and processes for the manufacturing of wide range of products from biological materials. It is becoming an engineering and science discipline with extreme importance and enormous potential.

The most crucial industrial production units in biotechnology are bioreactors. To ensure the quality, quantity, and economy of the products, a great deal of knowledge of bioreactors is required.

The primary aims of this special issue are allowing engineers and academics who have discoveries share their knowledge to other.

The area of the special issue is vast. We expect contributions from the fields of:

bioreactor geometry design,
sensors and actuators for bioreactors,
theoretical and experimental (identification) modeling of bioprocesses in bioreactors,
monitoring and data processing for physical and chemical quantities in bioreactors,
bioreactor control systems with advanced control concepts
new structures and algorithms,
optimization of bioreactors.





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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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