

Special Issue

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

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.

Guest Editor

Prof. Dr. Andreja Gorsek

Laboratory for Process Systems Engineering and Sustainable Development, Faculty of Chemistry and Chemical Engineering, University of Maribor, Smetanova ulica 17, 2000 Maribor, Slovenia

Deadline for manuscript submissions

closed (15 December 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/89575

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

mdpi.com/journal/

appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

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