

## Special Issue

# Modeling and Analysis of Bioprocesses

### Message from the Guest Editors

This Special Issue on “Modeling and Analysis of Bioprocesses” seeks high-quality research articles and reviews on novel insights, rigorous methodologies, and the practical implications of modeling and analysis tools.

- the development of mathematical models for upstream and downstream bioprocesses
- multi-scale modeling approaches in bioprocesses
- process intensification and optimization
- the application of artificial intelligence and machine learning in bioprocess modeling
- model-based optimization and control strategies
- process validation and quality assurance via modeling
- process analytical technology (PAT) and multivariate data analysis
- economic and environmental analysis of bioprocesses
- the application of novel technologies mentioned above, including case studies

---

### Guest Editors

Dr. Zhuangrong Huang

Bristol-Myers Squibb, Devens, MA 01434, USA

Dr. Yiran Wang

Biologics Development, Global Product Development and Supply,  
Bristol Myers Squibb, Devens, MA 01434, USA

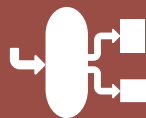
Dr. Eric Hodgman

Biologics Development, Global Product Development and Supply,  
Bristol Myers Squibb, Devens, MA 01434, USA

---

### Deadline for manuscript submissions

closed (30 November 2023)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/173444](https://mdpi.com/si/173444)

*Processes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

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





# Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto  
Department of Drug Science and Technology, University of Turin, Via P.  
Giuria 9, 10125 Turin, 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, AGRIS, and other databases.

#### Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))