

Special Issue

Computational Modeling for Metabolic Pathway Engineering

Message from the Guest Editors

We invite authors to submit research and review articles from various computational modeling aspects of metabolic pathway engineering to this Special Issue.

The topics of interest may cover:

- Construction of computational models of metabolism for metabolic engineering applications;
- Applying metabolic models for the production of metabolites or chemical compounds of particular interest, drugs, and vaccines;
- Using metabolic models for optimizing media composition for improved metabolite yield;
- Development of analysis pipeline for prediction and ranking of potential genetic and environmental modifications for pathway engineering;
- Development of computational algorithms and tools for integration of high-throughput data with computational models.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2021)



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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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Author Benefits

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).