

## Special Issue

# In silico metabolic modeling and engineering

### Message from the Guest Editors

This Special Issue on “In Silico Metabolic Modeling and Engineering” focuses on (i) documenting the various approaches to model cellular metabolism, (ii) the possible applications of metabolic modeling, including model-driven strain design, and (iii) provide perspectives addressing the possible challenges. Thus, we welcome research/review/perspective articles on the following topics (but not limited to them):

- Mathematical modeling techniques of cellular metabolism/regulation
- Metabolic modeling of cells or microbial community interactions
- Multi-scale and multi-omics data integration and modelling
- Model-guided strain design strategy
- Software tools for metabolic modeling and analysis

---

### Guest Editors

**Prof. Dr. Dong-Yup Lee**

School of Chemical Engineering, Sungkyunkwan University, Suwon 16419, Republic of Korea

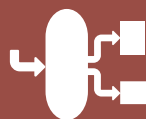
**Dr. Meiyappan Lakshmanan**

Bioprocessing Technology Institute, Agency for Science, Technology and Research (A\*STAR), Singapore, Singapore

---

### Deadline for manuscript submissions

closed (15 July 2019)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/16015](https://mdpi.com/si/16015)

*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))