



## Application of Machine Learning Algorithms for Biological Data and Biological Systems

Guest Editor:

**Dr. Tong Gao**

Department of Chemical  
Engineering, Louisiana State  
University, Baton Rouge, LA  
70803, USA

Deadline for manuscript  
submissions:

**closed (31 October 2024)**

### Message from the Guest Editor

Dear Colleagues,

Biological data are collected from a variety of sources, including humans, animals, and viruses. Research on these data has emerged in many fields, such as genetics, proteomics, and healthcare applications, to name a few. Presently, thanks to the development of computer technology, extracting useful data from raw biological data and deciphering intricate biological data has become more feasible through the application of machine learning techniques.

The purpose of this Special Issue is to publish recent developments in machine learning applications for biological data. We invite researchers to submit their research articles and reviews to this Special Issue. Example topics include (but are not limited to) the following, which relate machine learning applications to biological data:

- Use of machine learning algorithms for investigating biological systems;
- New machine learning algorithms;
- Genetics/genomics;
- Proteomics;
- Medical image analysis and diagnosis;
- Drug discovery/development;
- Healthcare applications.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Giancarlo Cravotto

Department of Drug Science and  
Technology, University of Turin,  
Via P. Giuria 9, 10125 Turin, Italy

## 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.

## 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))

## Contact Us

---

Processes Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/processes](http://mdpi.com/journal/processes)  
[processes@mdpi.com](mailto:processes@mdpi.com)  
[X@Processes\\_MDPI](https://twitter.com/Processes_MDPI)