



The Role of Genomics in Bioengineering

Guest Editor:

Prof. Dr. Vasily N. Popov

Department of Genetics,
Cytology and Bioengineering,
Voronezh State University,
394018 Voronezh, Russia

Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editor

This Special Issue aims to provide a platform for researchers to share the latest advancements in genomics and their application in bioengineering. It will cover the following key areas:

- Role of genomics in the identification and prediction of an organism's properties;
- Role of genomics in drug development;
- Application of high-throughput sequencing for the study of organisms with new properties;
- Genome engineering technologies;
- Genome editing with CRISPR-Cas9;
- Techniques and applications in genome design, advances, and challenges;
- Application of metagenomic approaches for studying microorganisms important for the food and drug industry;
- Novel genome assembly methods;
- Large-scale analysis of genomic, transcriptomic, and epigenomic data to predict the impact of genetic manipulations on model organisms.





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

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)