processes

an Open Access Journal by MDPI

IMPACT FACTOR 2.847

CITESCORE 2.4 SCOPUS

# New Approaches to the Identification of Organism Evolution

Guest Editor:

**Prof. Dr. Andrzej Kasperski**
Institute of Biological Sciences, Department of Biotechnology, University of Zielona Góra, 65-516 Zielona Góra, Poland

a.kasperski@wnb.uz.zgora.pl

Deadline for manuscript submissions:
**31 March 2022**

## Message from the Guest Editor

The aim of this Special Issue is to collect research articles on, among other topics, new methods and implementations of new algorithms for the identification of organism evolution. The known methods are based on "brutal calculation power" performed by ever-faster computers. The algorithms implemented in these methods allow for the generation of phylogenetic trees, the number of which depends strongly on the number of organisms. For a larger number of organisms, the number of generated trees is so huge that the calculations have to be prematurely interrupted. In this case, the conclusions are drawn on the basis of often a small fraction of all possible trees. Moreover, regardless of the method used, the interpretation of the results always plays a key role. For these reasons, the reconstruction of real evolution remains a mystery, and new methods are sought that will allow for more reliable discovery of the truth about evolution. New approaches are especially important for understanding transformed cell development, which can be considered as a special kind of evolution.

# processes

IMPACT FACTOR 2.847

CITESCORE 2.4 SCOPUS

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

*Processes* (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

## 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), CAPlus / SciFinder, Inspec, and many other databases.
**Rapid Publication:** manuscripts are peer-reviewed and a first decision provided to authors approximately 11.6 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2021).

## Contact Us


*Processes*
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
@Processes_MDPI