

Special Issue

Biological Networks

Message from the Guest Editors

Biological networks describe systems of interacting components that provide context-specific responses. Networks pervade biology, governing biological processes at all scales, from subcellular protein signaling to entire ecosystems. An underlying characteristic of biological networks is the inherently robust response to stimuli/perturbations that are “greater than the sum of its parts”. This special issue on “Biological Networks” aims to curate novel advances in the development and application of network modeling and systems analysis to address longstanding challenges in biology. Topics include, but are not limited to:

- **Development** of new tools to interrogate biological networks
- **Prediction** of emergent biological phenomena through mathematical modeling
- **Analysis** of robust biological responses to uncover underlying design principles

Guest Editors

Dr. Rudiyanto Gunawan

Department Chemical & Biological Engineering, University of Buffalo,
335 Bell Hall, Buffalo, NY 14260, USA

Dr. Neda Bagheri

Chemical & Biological Engineering, McCormick School of Engineering
Northwestern University, Evanston, IL 60208, USA

Deadline for manuscript submissions

closed (31 January 2018)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/8589

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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))