



Modeling, Simulation, Control, and Optimization of Processes

Guest Editors:

Prof. Dr. Argimiro Resende Secchi

Chemical Engineering Program,
COPPE, Universidade Federal do
Rio de Janeiro (UFRJ), Rio de
Janeiro 21941-914, Brazil

Dr. Marco S. Reis

Department of Chemical
Engineering, University of
Coimbra, Polo II, Rua Sílvia Lima,
3030-790 Coimbra, Portugal

Dr. Simone De Carvalho Miyoshi

Chemical Engineering Program,
COPPE, Universidade Federal do
Rio de Janeiro (UFRJ), Rio de
Janeiro 21941-914, Brazil

Message from the Guest Editors

This Special Issue on “Modeling, Simulation, Control, and Optimization of Processes” aims to curate novel advances in process systems engineering (PSE) focusing on sustainable processes. Topics include, but are not limited to, methods and/or applications in the following areas:

- Process Modeling and Simulation;
- Process Optimization;
- Process Synthesis and Design;
- Process Integration and Intensification;
- Process Control and Instrumentation;
- Data Mining and Machine Learning;
- Production Planning and Scheduling;
- Molecular Modeling and Product Design;
- Fault Detection and Diagnostics;
- Digital Twins and other Industrial Applications of PSE Tools.

Deadline for manuscript
submissions:

30 July 2024





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), **Ei Compendex**, **Inspec**, **AGRIS**, and **other databases**.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, St. Alban-Anlage 66
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)