

## Special Issue

# Process Monitoring and Fault Diagnosis

### Message from the Guest Editor

The aim of this issue is to present methodological, theoretical, and practical developments related to “Process Monitoring and Fault Diagnosis”. Potential topics include but are not limited to the following:

- Early detection of process abnormality in industrial practice;
- Feature extraction of normality under multi-steady and non-steady states;
- Dynamics feature extraction under different control strategies;
- Root cause identification based on both process knowledge and data analytics;
- Integration of first principle model and data information;
- Application of machine learning methods;
- Soft sensor development;
- Data processing for feature extraction;
- Bottleneck analysis based on multiscale process data analysis;
- New method for batch process monitoring;
- Modeling and analysis of non-stationary signals;
- Metrics for fault detection.

### Guest Editor

Prof. Dr. Wei Sun

College of Chemical Engineering, Beijing University of Chemical Technology, Beijing 100029, China

### Deadline for manuscript submissions

closed (31 May 2023)



## Processes

an Open Access Journal  
by MDPI

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/79296](https://mdpi.com/si/79296)

*Processes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto: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))