

Special Issue

Advances in Machine Learning and Deep Learning Based Machine Fault Diagnosis and Prognosis

Message from the Guest Editors

This Special Issue aims to bring together researchers and industrials with complementary skills that covers a wide spectrum of methods and applications in the field of machine monitoring, fault diagnosis and fault prognosis, as well as the predictive maintenance, and will give rise to new solutions to the research problems that remain open in this field such as: - Improving reliability

- Increased life expectancy
- Reduction of pollution
- Smart grid
- Stabilization of frequencies
- Noise pollution
- Changes in structure and operating modes
- Complexity of the environment
- Industry 4.0 challenges
- Fault detection and isolation
- Fault prognosis

Guest Editors

Dr. Mohand Djaziri
LIS-Lab, Aix Marseille University, 13007 Marseille, France

Dr. Marc Bendahan
IM2NP-Lab, Aix-Marseille University, 13007 Marseille, France

Deadline for manuscript submissions

closed (30 November 2020)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/43884

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))