

## Special Issue

# Intelligent Technologies and Processes for Advanced Nuclear Power and Energy Engineering (Volume II)

### Message from the Guest Editors

Nuclear power equipment is a national name card which plays an important role in the nuclear power supply of the new generation of onshore nuclear power plants, submarine aircraft carriers, marine development, deep space exploration and other major national projects. From the designation to decommissioning of nuclear power equipment, lifecycle digital and intelligent technologies implement a visual and flexible analysis mode and integrate information on the whole process to supply systematic engineering service in design, manufacturing, operation and management. Because of the numerous subsystems, complex working conditions and lengthy service period of advanced nuclear power equipment, how to realize its lifecycle digital and intelligent technologies is a daunting task. This has recently motivated researchers to explore new lifecycle digital and intelligent technologies of advanced nuclear power equipment. The objective of this Special Issue is to present the latest advances and developments dedicated to the lifecycle digital and intelligent technologies for advanced nuclear power equipment.

### Guest Editors

Dr. Amir M. Fathollahi-Fard

Prof. Dr. Vigen H. Arakelian

Prof. Dr. Zhiwu Li

Dr. Zixian Zhang

Prof. Dr. Guangdong Tian

### Deadline for manuscript submissions

closed (31 August 2023)



## Processes

an Open Access Journal  
by MDPI

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/160223](https://mdpi.com/si/160223)

*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))