

## Special Issue

# Application of Artificial Intelligence Technology in Water Environment Monitoring and Industry

### Message from the Guest Editors

Artificial Intelligence (AI) technology has shown unparalleled superiority, bringing unprecedented development prospects to both society and industry, and improving AI technology is challenging. With the development of society, engineering systems have also faced many problems. In recent years, most countries (e.g., China) have been stepping up the pace of AI construction and have made outstanding achievements in smart water, industrial automation monitoring, and so on. We propose this topic primarily to collect information on the industrial applications of AI in water system engineering and related environmental systems, including groundwater engineering systems, surface water engineering systems, and seawater environmental engineering systems. Keywords

- Monitoring of municipal water systems
- Monitoring of municipal industrial wastewater systems
- Monitoring of water pipeline systems
- Monitoring of marine vessels
- Monitoring of submarine pipelines
- Monitoring of river systems
- Monitoring of river transportation safety
- Safety strategies of river water engineering systems
- Monitoring of mining, groundwater, and soil water engineering systems

---

### Guest Editors

Prof. Dr. Guocheng Zhu

Department of Civil Engineering, Hunan University of Science and Technology, Xiangtan 411201, China

Prof. Dr. Andrew S. Hursthouse

School of Computing, Engineering & Physical Sciences, University of the West of Scotland, Paisley 13 PA1 2BE, UK

---

### Deadline for manuscript submissions

closed (15 February 2026)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/187439](https://mdpi.com/si/187439)

*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))