

## Special Issue

# Hydraulic Barriers in Environmental Containment Systems

### Message from the Guest Editors

This Special Issue on “Hydraulic Barriers in Environmental Containment Systems” will curate novel advances in research and engineering practices to understand the performance of hydraulic barriers in the real-world environment. Research based on laboratory experiments, mathematical modeling, numerical simulation, field testing, case studies, and critical reviews is all welcome, but the research should have a clear and significant potential/contribution for practical application. Topics include, but are not limited to the following:

- Reliability of hydraulic barriers for emerging contaminants (e.g., PFAS, nanoplastics, etc.);
- Impact of extreme weather events (e.g., drought, flood, hurricane, wildfires, etc.) on hydraulic barriers;
- Contaminant fate and transport through hydraulic barriers;
- Degradation of hydraulic barriers;
- Advanced materials for hydraulic barriers;
- Life-cycle environmental impact assessment for hydraulic barriers.

---

### Guest Editors

Dr. Yu Tan

Dr. Ping Liu

Dr. Yuan Feng

---

### Deadline for manuscript submissions

31 March 2026



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/250563](https://mdpi.com/si/250563)

*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))