

Special Issue

Sustainable Hydrogen Production Processes

Message from the Guest Editors

Hydrogen is being considered one of the most suitable energy carriers. However, to contribute to the decarbonization goals, hydrogen production must be sustainable. Sustainable hydrogen production can be attained via electrification (green hydrogen), as well as with innovative system-integrated carbon capture, with the decomposition of biomethane into C and hydrogen, and other novel systems. This Special Issue seeks high-quality works focusing on the latest novel advances in hydrogen production and green hydrogen utilization. The topics of interest include, but are not limited to, the following:

- Electrolysis;
- Carbon capture for hydrogen production;
- Novel technologies for sustainable hydrogen production;
- Use of sustainable hydrogen, its storage and transportation.

Guest Editors

Prof. Dr. Fausto Gallucci

Dr. Orlando Palone

Dr. Gabriele Gagliardi

Dr. Serena Agnolin

Deadline for manuscript submissions

closed (30 September 2025)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/207496

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))