

Special Issue

Recent Advances in Catalytic Reforming for Hydrogen/Syngas Production

Message from the Guest Editors

Catalytic reforming is one of the main industrial processes for obtaining a wide variety of products. In particular, hydrogen production by reforming processes (such as steam reforming, dry reforming, and aqueous-phase reforming) has attracted considerable interest. However, by-product formation and catalyst deactivation (in particular, by carbon deposition) are among the main concerns. This Special Issue aims to cover recent trends and advances in different catalytic reforming processes, both conventional and intensified, for hydrogen production. Full research papers, review papers, and short communications are welcome for this Special Issue.

Guest Editors

Prof. Dr. Maria Cornelia Iliuta

Chemical Engineering Department, Université Laval, Québec, QC G1V 0A6, Canada

Prof. Dr. Maria A. Goula

Department of Chemical Engineering, School of Engineering, University of Western Macedonia (UOWM), Active Urban Planning Zone (ZEP), 50100 Kozani, Greece

Deadline for manuscript submissions

15 August 2025



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/206001

Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

[mdpi.com/journal/
catalysts](https://mdpi.com/journal/catalysts)





Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



[mdpi.com/journal/
catalysts](https://mdpi.com/journal/catalysts)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Keith Hohn

Carl R. Ice College of Engineering, Kansas State University, Manhattan,
KS, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, CAB Abstracts, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Physical) / CiteScore - Q1 (General Environmental Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).