

## Special Issue

# Advances in Hydrotreating Catalyst Synthesis for Fuel and Chemical Production Processes

### Message from the Guest Editors

We would like to invite original research or review articles to a Special Issue of *ChemEngineering* entitled “Advances in Hydrotreating Catalyst Synthesis for Fuel and Chemical Production Processes”. Catalytic hydrotreatment is an essential refining step in producing fuels and chemicals in petroleum-based refineries. It also plays a crucial role in the development of biomass-based refineries, as hydrotreatment reactions are commonly utilized to limit the presence of nitrogen, sulfur, oxygen, aromatics, and olefins. The hydrotreating reaction can convert bulk fuels to high-calorie and environmentally acceptable ones. This Special Issue aims to encourage researchers to address recent progress in hydrotreating catalysts’ (supported and unsupported) formulation, characterizations, and reaction pathways for the fuel and chemical production processes. The submissions of studies on advanced synthesis methods and characterization techniques is highly encouraged.

---

### Guest Editors

Dr. Kirtika Kohli

CSIR-Indian Institute of Petroleum, Dehradun 248005, India

Dr. Ravindra Prajapati

Illinois Sustainable Technology Centre, University of Illinois Urbana-Champaign, Champaign, IL 61820, USA

---

### Deadline for manuscript submissions

closed (26 July 2024)



ChemEngineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 4.0



[mdpi.com/si/163657](https://mdpi.com/si/163657)

*ChemEngineering*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[chemengineering@mdpi.com](mailto:chemengineering@mdpi.com)

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





## ChemEngineering

an Open Access Journal  
by MDPI

Impact Factor 2.8  
CiteScore 4.0



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



# About the Journal

## Message from the Editor-in-Chief

---

### Editor-in-Chief

Prof. Dr. Alírio E. Rodrigues

Laboratory of Separation and Reaction Engineering - Laboratory of Catalysis and Materials (LSRE-LCM), Department of Chemical Engineering, Faculty of Engineering, University of Porto, 4200-465 Porto, Portugal

---

### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Chemical) / CiteScore - Q2 (General Engineering )

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 29.6 days after submission; acceptance to publication is undertaken in 7.6 days (median values for papers published in this journal in the first half of 2024).