

## Special Issue

# Catalysis and Carbon-Based Materials, 2nd Edition

### Message from the Guest Editors

Carbon catalysts and materials, the focus of the present Special Issue, are very important in many fields of science, engineering and technology. Carbon materials such as activated carbons, carbon blacks and graphitic materials, have been used for decades in adsorption and heterogeneous catalysis, either as catalyst supports or as catalysts themselves. Activated carbons are some of the most known and used materials, due to their high-surface-area which makes them exceptional adsorbents for several applications, such as drinking water, wastewater and gas purification. Their predominant applications include adsorption, filling (in rubber production) or use as refractory materials. However, their application in the catalyst market has gained increasing attention specially of its use as catalyst support. This Special Issue is the second edition of the successful Special Issue with the same title, Catalysis and Carbon-Based Materials. The purpose is to provide readers with the latest research progress and state-of-the-art technologies developed in the manufacture, properties and applications of carbon materials in catalysis.

### Guest Editors

Dr. Jose Luis Diaz de Tuesta

1. Department of Chemical and Environmental Technology, ESCET, Rey Juan Carlos University, Tulipán s/n, 28933 Móstoles, Spain

2. Mountain Research Centre (CIMO), Polytechnic Institute of Bragança, Campus de Santa Apolónia, 5300-253 Bragança, Portugal

Prof. Dr. Helder T. Gomes

Centro de Investigação de Montanha (CIMO), Instituto Politécnico de Bragança, Campus de Santa Apolónia, 5300-253 Bragança, Portugal

### Deadline for manuscript submissions

closed (31 December 2023)



## Catalysts

an Open Access Journal  
by MDPI

Impact Factor 4.0  
CiteScore 7.6



[mdpi.com/si/157391](https://mdpi.com/si/157391)

*Catalysts*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[catalysts@mdpi.com](mailto: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 15.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).