Special Issue

Contemporary Solutions for Advanced Catalytic Materials with a High Impact on Society

Message from the Guest Editors

The progress of contemporary society is basely related to the area of advanced materials, using novel and sophisticated designs and involving high-performance technology and material synthesis. Most advanced materials are designed for catalytic applications to satisfy the continuous requirements of our modern life, which is increasingly dependent on the catalysis. Therefore, advanced catalytic materials offer new solutions for healthcare (pharmaceuticals and therapeutics), energy (petrochemicals), new materials (polymers), transport (catalytic convertors), and the environment (water/air quality, renewable and bioproduced materials). The main aim of this Special Issue is to highlight the contribution of advanced catalytic materials in the evolution of contemporary society, delivering practical and useful solutions with a positive societal, economic, and environmental impact. Therefore, several aspects will be considered related to the synthesis, characterization, and applications of the advanced catalytic materials. Original research papers and reviews providing new insights into the area of advanced catalytic materials are welcome.

Guest Editors

Prof. Dr. Simona M. Coman

Dr. Madalina Tudorache

Dr. Elisabeth Egholm Jacobsen

Deadline for manuscript submissions

closed (1 August 2022)

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/si/72467

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

mdpi.com/journal/catalysts

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/journal/catalysts

MDPI

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).