

Special Issue

Environmental Applications of Novel Nanocatalytic Materials

Message from the Guest Editor

Nanocatalytic materials have recently made great progress in environmental applications and energy technologies. Great efforts have been made by researchers and scientists to create novel nanocatalysts with interesting properties for catalytic applications in energy and the environment. This Special Issue focuses on the state-of-the-art routes for nanostructure design and detailed characterization techniques for the comprehensive understanding of the nanostructured materials' behavior and their future perspectives in the environmental research field. Here, we invite the scientific community to contribute in the form of original research or review articles that explore the optimized design, study, understanding, and optimization of materials with application in the environment.

Guest Editor

Dr. Violeta-Carolina Niculescu

National Research and Development Institute for Cryogenic and Isotopic Technologies—ICSI Râmnicu, Vâlcea 240050, Romania

Deadline for manuscript submissions

closed (31 October 2025)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/202001

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 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).