

Special Issue

Electrocatalysis of Nanocomposite Materials

Message from the Guest Editors

The current shift of the world's economies toward the circular economy brings into sharp focus the use of electrocatalysts in detecting and converting what could be considered environmental pollutants into useful products. The Special Issue seeks to illustrate various aspects of nanocomposite materials, their preparation, fabrication and applications as electrocatalysts. The applications include detection of agricultural pesticides, environmental pollutants, pharmaceutical important drugs, biological molecules, and application in renewable energy. Recently, nanocomposites materials based on N4-macrocyclic complexes, pyrrolic complexes, Schiff-base complexes, metal and metal-oxide nanoparticles, carbon-based nanomaterials and their applications as electrocatalysts are of international research interest. Recent advances in method development in nanofabrication, nanostructuring, adsorption and chemisorption on nanocomposite materials onto electrode surfaces, and their electrochemical applications are investigated internationally.

Guest Editors

Dr. Samson Khene

Dr. Philani Mashazi

Dr. Nolwazi Nombona

Deadline for manuscript submissions

closed (20 March 2022)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/93364

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).