

Special Issue

Structured Catalysts for Catalytic Processes Intensification

Message from the Guest Editor

Process intensification is “any chemical engineering development that leads to a substantially smaller, cleaner and more energy-efficient technology”. In this direction, in the present issue, we want to report the application of structured catalysts as a viable solution in the process intensification. In recent years, the spread of structured catalysts even in the most traditional processes of the chemical industry has certainly been one of the most interesting technological innovations in heterogeneous catalysis. In particular, the possibility of making such carriers with different complex geometric structures, and with different types of materials with very well defined physical properties, generated many considerations on the potential effects on the performances of the catalytic reactor. The special issue covers a wide range of different aspects related structured catalysts and reactors, starting by catalyst preparation and characterization, experimental tests results and mathematical modeling, and innovative applications as membrane catalytic reactors.

Guest Editor

Prof. Dr. Vincenzo Palma

Department of Industrial Engineering, University of Salerno, Via Giovanni Paolo II 132, 84084 Fisciano, Italy

Deadline for manuscript submissions

closed (30 September 2018)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/12045

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).