

Special Issue

Pickering Interfacial (PIC) and Pickering-Assisted (PAC) Chemical and Biochemical Catalysis

Message from the Guest Editor

Pickering emulsions are surfactant-free dispersions of two immiscible liquids kinetically stabilized by colloidal particles. Though known for more than a century, these systems have emerged this last decade as platforms for catalysis. Indeed, the use of colloidal particles as stabilizers provides emulsions with original properties compared to classical emulsions, microemulsions, and micellar systems stabilized by surfactants. Their application to chemical, biochemical, and hybrid catalysis is therefore of particular interest. This Special Issue will focus on catalytic, biocatalytic, and combined systems operating by interfacial catalysis in Pickering emulsions (Pickering interfacial catalysis, PIC) and by Pickering-assisted catalysis (PAC), which constitute a novel and versatile field with promising green credentials for biphasic reactions. Both physical chemical or reactivity aspects may be addressed.

Guest Editor

Prof. Dr. Véronique Nardello-Rataj
Centrale Lille Institut, Cité Scientifique, Bâtiment C6, F-59655
Villeneuve d'Ascq, France

Deadline for manuscript submissions

closed (31 December 2020)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/48640

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).