

Special Issue

The Influence of Phase Transfer Catalysis (PTC) in the Synthesis of Bioactive Compounds

Message from the Guest Editors

A wide variety of reactions can be carried out under PTC conditions, such as alkylation, oxidation, reduction, elimination, hydrolysis, aliphatic and aromatic substitution, multiple bond addition, carbonyl addition, and many others. Additionally, it is possible to use PTC conditions both in classical methods of synthesis and in the presence of microwave radiation, ultrasounds or in mechanochemistry. The obtained products, often even unpurified, are characterized by high purity, which is extremely important in the case of bioactive compounds. All these advantages of the PTC method mean that it is now used more and more often in the synthesis of bioactive compounds. This Special Issue aims to cover the most recent progress and advances in the field of synthesis of bioactive compounds under phase transfer catalysis conditions. This includes both reactions using the PTC method in one or more steps, aimed at the synthesis of new bioactive compounds, and processes aimed at the development of new alternative methods of known drugs.

Guest Editors

Dr. Jolanta Jaśkowska

Dr. Edyta Pindelska

Dr. Przemysław Jodłowski

Deadline for manuscript submissions

closed (31 October 2022)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/69255

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).