

## Special Issue

# Transition Metal Complexes as Catalysts in Organic Chemistry

### Message from the Guest Editor

The coordination compounds of transition metals occupy a special place among the catalysts in organic chemistry because of their pronounced activity and their variety of properties. The catalytic features of transition metal complexes are under the strong influence of their ligands, which, in this way, become a useful tool to control the properties of the catalytic system. The design of the structure of a coordination compound (catalyst) is of crucial importance for its catalytic applications. This Special Issue is focused on the recent advances in the catalytic applications of transition metal complexes towards the organic transformations, including C–H activation, C–C coupling, and so on. This covers the investigation of the fundamental processes and reaction mechanisms, as well as the development of novel synthetic protocols involving transition metal complexes as catalysts.

### Guest Editor

Dr. Dmytro Nesterov

Centro de Química Estrutural, Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais, 1049-001 Lisboa, Portugal

### Deadline for manuscript submissions

closed (31 October 2020)



## Catalysts

an Open Access Journal  
by MDPI

Impact Factor 4.0  
CiteScore 7.6



[mdpi.com/si/23240](https://mdpi.com/si/23240)

*Catalysts*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[catalysts@mdpi.com](mailto: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).