Special Issue

Advances in Transition Metal Catalysis

Message from the Guest Editors

Transition metal catalysis has been established as one of the most useful and effective tools for the preparation of synthetically valuable targets of interest in various research fields. Indeed, a lot of key bond-forming processes have been enabled by the capacity of transition metal-catalyzed reactions in controlling crucial parameters such as selectivity, reactivity, and stability. Today, due to the increasing interest in sustainable, green, clean, more efficient organic synthesis, a great deal of attention has been devoted to the economic and environmental impact of such reactions leading to the development of a dynamic research activity aimed to maximize the chemical usefulness and efficiency of catalyst-driven reactions while minimizing waste. This Special Issue will focus on the remarkable goals achieved in this exciting research area and to cover recent progresses and trends in organometallic chemistry. In this perspective, we plan to provide an overview of the state of the art in transition metal catalysis and of the many challenges that still remain for the future.

Guest Editors

Prof. Dr. Antonia Iazzetti

Dipartimento di Scienze Biotecnologiche di Base, Cliniche Intensivologiche e Perioperatorie, Università Cattolica del Sacro Cuore, L. go Francesco Vito 1, 00168 Rome, RM, Italy

Prof. Dr. Alessia Ciogli

Department of Chemistry and Drug Technologies, University of Rome La Sapienza, 00185 Rome, Italy

Deadline for manuscript submissions

closed (30 April 2023)

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/si/91894

Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

mdpi.com/journal/catalysts

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/journal/catalysts

MDPI

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).