

Special Issue

Metal-Catalyzed Processes in One-Pot Syntheses of Heterocycles

Message from the Guest Editors

The advent of metal catalysis has provided a fascinating tool for significantly facilitating the synthesis of complex and functional molecules as well as natural products. In particular, the broad tolerance for many polar functional groups has set the stage for going beyond simple ligation by forming a single bond between two reactants. Therefore, metal catalysis has opened new avenues to one-pot processes, where all elementary steps proceed in the same reaction vessel. Among these one-pot reactions are multicomponent and domino reactions as well as metal-catalyzed cascade reactions. This Special Issue aims to offer a stage for sharing and discussing recent results from your laboratories on this fascinating synthetic strategy. Furthermore, it will stimulate the scientific community to further develop the concept. We look forward to receiving your esteemed contributions to this Special Issue.

Guest Editors

Prof. Dr. Thomas J. J. Müller

Heinrich-Heine-University Düsseldorf Institute of Organic and Macromolecular Chemistry | 40225 Düsseldorf

Prof. Dr. Eelco Ruijter

Department of Chemistry and Pharmaceutical Sciences and Amsterdam Institute for Molecules, Medicines & Systems (AIMMS), Vrije Universiteit Amsterdam, De Boelelaan 1108, 1081 HZ Amsterdam, The Netherlands

Deadline for manuscript submissions

closed (31 January 2023)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 3.8
CiteScore 6.8



mdpi.com/si/96044

Catalysts
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 3.8
CiteScore 6.8



[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,
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 12.9 days after
submission; acceptance to publication is undertaken in 2.8
days (median values for papers published in this journal in
the first half of 2024).