

Special Issue

Development of Novel Catalysts for Fischer–Tropsch Synthesis

Message from the Guest Editors

We are pleased to invite you to contribute to a Special Issue dedicated to advances in catalyst synthesis for the Fischer–Tropsch (FT) reaction. FT converts syngas (a mixture of carbon monoxide and hydrogen) to hydrocarbons and water. This century old reaction remains a hot research topic and continues to be exploited commercially to produce waxes, lubricants and fuel from natural gas, biomass, coal, landfill gas, and biogas. The latter applications have been spawned by a great awareness and attention to the environment and the contribution of methane to global warming. New catalysts improve the selectivity towards light hydrocarbons and *in silico* techniques better characterize the micro kinetics to establish a scientific rationale to improve catalyst design. We welcome in this Special Issue both theoretical and experimental original manuscripts that report new research on FT catalysts. FT application, process design and technoeconomics.

Guest Editors

Dr. Federico Galli

Prof. Dr. Nicolas Abatzoglou

Prof. Dr. Gregory Patience

Prof. Dr. Ajay K. Dalai

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/100844

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 15.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).