

Special Issue

Catalytic Processes in Biofuel Production and Biomass Valorization

Message from the Guest Editor

Public attention to energy consumption and the related emissions of pollutants is increasing. The constant increase in the costs of raw materials derived from petroleum and the growing concerns surrounding the environmental impact have given considerable impetus to research into new products from renewable raw materials and to the proposal of technological solutions that reduce energy consumption, the use of hazardous substances and waste production, while promoting a model of sustainable development. The valorization of waste materials is a viable alternative to traditional disposal systems, including in the field of renewable energy and biofuels. This Special Issue aims to focus on sustainable chemistry, biomass valorization, biofuels, biodiesel production, waste production, raw materials and glycerol. The topics of this Special Issue include both experimental and theoretical contributions. Original research papers, communications and review articles will be considered for submission.

Guest Editor

Dr. Claudia Carlucci
Institute of Nanotechnology, CNR NANOTEC, 73100 Lecce, Italy

Deadline for manuscript submissions

closed (30 March 2022)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/70173

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).