

## Special Issue

# Towards Green, Enhanced Photocatalysts for Hydrogen Evolution

### Message from the Guest Editors

We invite the submission of original papers reporting on significant advances in the preparation and application of novel semiconductor materials for photocatalytic H<sub>2</sub> evolution from water. In particular, papers describing new routes for obtaining nanocomposites with improved photocatalytic activity under solar light and research papers focusing on the development and optimization of hydrogen-producing photocatalytic systems from (waste) biomass are particularly encouraged. Potential topics include but are not limited to the following:

- Synthesis and characterization of new nanocomposite materials for photocatalytic hydrogen production from water
- Investigation of non-noble metals and/or semiconductors as co-catalysts
- Valorization of (waste) biomass as a sacrificial agent
- Development of efficient photocatalytic systems for H<sub>2</sub> production under solar light
- Multivariate approaches for the optimization of H<sub>2</sub> evolution

### Guest Editors

Prof. Dr. Antonella Profumo

Department of Chemistry, University of Pavia, Pavia, Italy

Dr. Andrea Speltini

Department of Chemistry, University of Pavia, 27100 Pavia, Italy

### Deadline for manuscript submissions

closed (30 September 2020)



## Catalysts

an Open Access Journal  
by MDPI

Impact Factor 4.0  
CiteScore 7.6



[mdpi.com/si/28818](https://mdpi.com/si/28818)

*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).