## Special Issue

# Metal-Organic Frameworks: The Architecture of Chemistry

## Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue of *Inorganics* titled "Metal-Organic Frameworks: The Architecture of Chemistry". This Special Issue focuses on metal-organic frameworks (MOFs), a rapidly advancing field of research, MOFs, characterized by their tunable structures and properties, have emerged as promising materials for diverse applications. The key contents and highlights of this Special Issue include the state-of-the-art research on MOF synthesis, properties, and applications. The prospects of MOFs in energy storage, catalysis, sensing, and drug delivery are discussed. While promising, the field faces challenges in scalability, stability, and environmental impact. This Special Issue welcomes original research articles and reviews exploring the cutting-edge research on metalorganic frameworks (MOFs). Topics span from synthesis methodologies to property optimization, as well as applications in catalysis, gas separation, energy storage, and beyond. Contributions highlighting novel MOF architectures, functionalization strategies, and crossdisciplinary collaborations are especially encouraged.

## **Guest Editors**

Dr. Shuailong Guo

Henan Academy of Sciences, Zhengzhou, China

Dr. Koichiro Takao

Laboratory for Zero-Carbon Energy, Institute of Innovative Research, Tokyo Institute of Technology, Tokyo 152-8550, Japan

## Deadline for manuscript submissions

closed (30 September 2025)



# **Inorganics**

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 4.1



mdpi.com/si/213347

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

mdpi.com/journal/inorganics





# **Inorganics**

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 4.1



## **About the Journal**

## Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals.

Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

## Editor-in-Chief

Prof. Dr. Duncan H. Gregory

School of Chemistry, University of Glasgow, University Avenue, Glasgow G12 8QQ, UK

### **Author Benefits**

## **High Visibility:**

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Chemistry, Inorganic and Nuclear) / CiteScore - Q2 (Inorganic Chemistry)

## **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 2.5 days (median values for papers published in this journal in the first half of 2025).

