



Organic-Inorganic Hybrid Metal Cluster Compound

Guest Editors:

Dr. Shailesh Narain Sharma

CSIR-National Physical
Laboratory (NPL), New Delhi,
India

Dr. Parth Vashishtha

Quantum Science Ltd.,
Warrington, UK

Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue on organic–inorganic hybrid metal cluster compounds will center on organic–inorganic hybrid materials and their utilization as optical and electronic functional materials for the development of new technologies. Mostly, we will focus on organic–inorganic hybrid materials containing polymers as one of the components, which will widen the scope of hybrid materials for diverse areas of applications.

For the improvement of hybrid photovoltaic systems of inorganic semiconductors and conducting polymers: (i) the right combination of inorganic and organic semiconductors should be chosen; (ii) the LUMO of the conducting polymer needs to be aligned with the conducting band of the inorganic semiconductor; or (iii) the bandgap of the inorganic semiconductor can be tuned by the quantum confinement effect. The comprehensive depiction and discussion of a variety of hybrid functional organic–inorganic materials and their contribution to the design of specific modern technologies is the prime focus of this Special Issue.





Editor-in-Chief

Message from the Editor-in-Chief

Crystals are a very important class of structured material, both from a scientific and technological viewpoint. In 2011, the Nobel Prize in Chemistry was awarded to Dan Schechtman for his work on quasicrystals. Our journal already expresses in its name *Crystals* that its focus centers around all aspects of this class of materials, which has fascinated humankind from its beginning. Despite decades of research on crystals, it remains a hot and fascinating research topic.

Crystals is a good platform for dissemination of knowledge in this area.

Author Benefits

Open Access:— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Crystallography*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Crystals
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/crystals
crystals@mdpi.com
[@Crystals_MDPI](https://twitter.com/Crystals_MDPI)