



## Perovskite Nanoparticles

Guest Editors:

**Dr. Sandra Fuentes**

Universidad Católica del Norte  
(UCN), Pharmaceutical Sciences  
Department, Av. Angamos 0610,  
Antofagasta, Chile

sfuentes@ucn.cl

**Dr. Emigdio Chávez-Ángel**

Catalan Institute of Nanoscience  
and Nanotechnology (ICN2),  
(ICN-CSIC) Barcelona, Campus  
UAB, E08193 Bellaterra, Spain

emigdio.chavez@icn2.cat

Deadline for manuscript  
submissions:

**15 April 2021**

### Message from the Guest Editors

Inorganic/organic nanomaterials with a perovskite structure are fascinating materials for wide applications in photovoltaic and energy storage, bioimaging, catalysis and combustion, memories, nano-electromechanical systems, energy-harvesting devices, advanced sensors, and in photocatalysis, thermoelectricity, and electrochemical sensing, to name a few.

This Special Issue on “Perovskite Nanoparticles” collects the most recent findings by the leading scientists in the field, which will contribute to significant advances in the physics and applications of perovskite semiconductor materials.

### Keywords:

- Novel perovskites
- Nanostructured perovskites
- Nanofluids
- Synthesis and preparation methods
- Photophysics and carrier dynamics
- Device functions (photovoltaics, LEDs, synapse, etc.)
- Up- and down-conversion
- Bioimaging





## Editor-in-Chief

### Prof. Dr. Helmut Cölfen

Physical Chemistry, Universität  
Konstanz, Germany

## 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 by the [Science Citation Index Expanded](#) (Web of Science), [Scopus](#), [SciFinder \(CAS\)](#), [Inspec \(IET\)](#), [Current Contents - Physical, Chemical & Earth Sciences](#) and [other databases](#).

**CiteScore 2019 (Scopus):** 2.9, ranks 103/281 in 'General Chemical Engineering', 208/460 in 'General Materials Science', and 191/403 in 'Condensed Matter Physics'.

## Contact Us

---

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

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/crystals](http://mdpi.com/journal/crystals)  
[crystals@mdpi.com](mailto:crystals@mdpi.com)