



## Intermetallic

Guest Editor:

**Prof. Dr. Andrei Vladimirovich Shevelkov**

Department of Chemistry,  
Lomonosov Moscow State  
University, Moscow, Russian  
Federation

shev@inorg.chem.msu.ru

Deadline for manuscript  
submissions:

**31 January 2021**

### Message from the Guest Editor

Being extremely different in crystal and electronic structures, intermetallic compounds display a great variety of properties that justify their application. Many of them have been known for centuries, for instance the mechanical and acoustic properties of tin-rich bronze were known to the Chinese about four thousand years ago. The others have emerged in recent years, covering a broad scope of properties and applications, including superconductivity, complex magnetic phenomena, thermoelectric effect, and catalysis. In their discovery, we rely on elaborate synthetic methods as well as new and advanced tools for analyzing structure–property relations; and as our tools and methods progress, we begin to appreciate the growing complexity of intermetallic compounds that provides a vast field for emerging phenomena and materials. This makes the realm of intermetallic compounds an inexhaustible source of new compounds with new and better properties and advanced applications; it is a playground for generations of chemists, with high expectations of future remarkable discoveries.





## 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

---