



## Fundamentals of Superalloys

Guest Editor:

**Dr. Martin Friák**

Institute of Physics of Materials of  
the Czech Academy of Sciences,  
Brno, Czech Republic

Deadline for manuscript  
submissions:

**closed (31 March 2019)**

### Message from the Guest Editor

This Special Issue aims at allowing a further advancement in superalloys design via collecting findings related to superalloys composition, structure, properties and processing as well as their mutual inter-relations. Invited are contributions of experimental and/or theoretical nature addressing thermodynamic, structural, mechanical and electronic properties of constituting phases, interfaces between them, as well as overall composites.

- superalloys
- structure
- stability
- modeling
- materials design
- structure-property relations





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Alessandra Toncelli

Department of Physics, University  
of Pisa, 56126 Pisa, Italy

## Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

## 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* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/crystals](http://mdpi.com/journal/crystals)  
[crystals@mdpi.com](mailto:crystals@mdpi.com)  
[X@Crystals\\_MDPI](#)