



*materials*



an Open Access Journal by MDPI

## Structure and Electronic Properties of Emerging Superconductor and Related Materials

Guest Editor:

**Prof. Dr. Naurang L. Saini**

Department of Physics,  
Universita degli Studi di Roma La  
Sapienza, Rome, Italy

Deadline for manuscript  
submissions:

**closed (10 December 2023)**

### Message from the Guest Editor

Materials is planning to publish a special Focus Issue dedicated to original research papers on experimental and theoretical aspects of “Structure and electronic properties of emerging superconductors”. This is motivated by the fact that, in the real materials, the assumption of the periodic array of atoms arranged perfectly to describe the macroscopic properties does not always hold with the diverging structure, with large consequences on the electronic properties of the materials. Among others, the frontline examples are the high  $T_c$  superconductors, iron-based superconductors, dichalcogenide superconductors and other related functional materials. We are inviting you to contribute an article to this Focus Issue on this expanding area of research on superconductors and closely related functional materials.



[mdpi.com/si/81802](https://mdpi.com/si/81802)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

## 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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

Materials Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)