

## Special Issue

# Ionic Liquid-Based Materials: Fundamentals and Applications

### Message from the Guest Editors

Following the 8th International Conference on Ionic Liquid-Based Materials (ILMAT2025), we are pleased to announce a Special Issue dedicated to the conference proceedings. This Special Issue will feature contributions presented at ILMAT2025, while also remaining open to researchers engaged in fundamental studies or applied innovations surrounding ionic liquids and other related materials. Reflecting the interdisciplinary nature of the conference, this Special Issue will cover recent advances in structure, dynamics, thermodynamics, as well as applications of ionic liquids in materials science, energy, sustainability, and biology. We invite original research articles and focused review papers from both oral and poster presenters, with the goal of showcasing the high-quality research presented during ILMAT2025. We encourage all participants to contribute to this Special Issue and help capture the spirit and scientific excellence of ILMAT2025.

---

### Guest Editors

Prof. Dr. Olga Russina

Department of Chemistry, Sapienza University of Rome, I-00185 Rome, Italy

Dr. Alessandro Triolo

Institute of Structure of Matter, National Research Council, 00133 Rome, Italy

---

### Deadline for manuscript submissions

20 October 2026



## Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/251066](https://mdpi.com/si/251066)

*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)





# Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)



## About the Journal

### Message from the Editorial Board

*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.

---

### Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

---

### 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 and Metallurgical Engineering) /  
CiteScore - Q1 (Condensed Matter Physics)