



## Synthesis, Characterization, and Biomedical and Pharmaceutical Applications of Ionic Liquids—In Memory of Professor Cinzia Chiappe

Guest Editor:

**Dr. Lorenzo Guazzelli**

Department of Pharmacy,  
University of Pisa, Via Bonanno 6,  
56126 Pisa, Italy

Deadline for manuscript  
submissions:

**closed (30 September 2021)**

### Message from the Guest Editor

Ionic liquids have attracted an enormous deal of interest in the last twenty years thanks to their peculiar and yet tunable physicochemical properties. Some exciting work (e.g., drug delivery systems, API-ILs, antimicrobial/anticancer agents) has been reported thus far, but it is indeed clear that further investigations will be crucial in defining the scope of ionic liquids in this area. Several different aspects still need to be understood in depth, and multidisciplinary approaches will be instrumental for the challenging task of identifying and designing optimal ionic liquids. The ultimate goal is no less than the development of future therapies, together with the implementation of platform systems endowed with beneficial properties, for human health.

Therefore, in this Special Issue, both novel ionic liquids as well as the relationship between properties and constitutive ions will be highlighted and discussed, with special emphasis on their potential to impact the biomedical sector.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.





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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

---

Materials Editorial Office  
MDPI, Grosspeteranlage 5  
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)