

## Special Issue

# Ionic Liquids in Organic Synthesis (Organic Chemistry)

### Message from the Guest Editor

Ionic liquids have been applied in different research areas. However, their use as reaction media and, in particular, as solvents to perform organic reactions, is one of the most addressed topics. The interest in this field is mostly due to the so-called “ionic liquid effect”, i.e., their ability to positively act on the outcome of a given reaction, frequently improving yield and selectivity and decreasing reaction time and temperature. Together with the above effects, also the possibility of their reusing as well as the synergetic action, if used in combination with nonconventional methodologies, like ultrasounds and microwave irradiation, has played a pivotal role. This issue is aimed at collecting contributions showing the ionic liquids' effect in organic synthesis. Reviews articles by experts in the field are particularly welcomed.

---

### Guest Editor

Prof. Dr. Francesca D'Anna

Dipartimento di Scienze e Tecnologie Biologiche, Università degli Studi di Palermo, Palermo, Italy

---

### Deadline for manuscript submissions

closed (30 September 2021)



## Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.4  
Indexed in PubMed



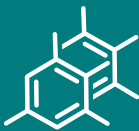
[mdpi.com/si/41156](https://mdpi.com/si/41156)

*Molecules*

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

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





# Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.4  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

---

### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).