



## Novel Studies of Organic Electrosynthesis

Guest Editor:

**Prof. Dr. César Augusto  
Correia de Sequeira**

Materials Electrochemistry  
Group, Instituto Superior  
Técnico, University of Lisbon,  
1049-001 Lisboa, Portugal

Deadline for manuscript  
submissions:

**31 March 2025**

### Message from the Guest Editor

Dear Colleagues,

Organic synthesis arguably represents the most important discipline for the bottom-up assembly and late-stage diversification of molecular compounds with transformative applications to inter alia medicinal chemistry, drug development, and material sciences, as well as the chemical and pharmaceutical industries. The pioneering contributions of Faraday's hydrolysis of acetic acid, Kolbe's electrochemical decarboxylative dimerization, Hickling's proposal of potential-controlled electrolysis, Simon's fluorination process, Monsanto's adiponitrile processes, Yoshida's concept of electroauxiliaries, Steckan's indirect electrolysis, BASF Lysmeral process (paired electrolysis), and the production of lead tetra-ethyl anti-knock compounds have enabled electrosynthesis to gain significant momentum for sustainable electro-organic syntheses. Numerous examples from the bench scale to industrial routes, including contributions of organic electrosynthesis to green chemistry, are expected to be well covered throughout this Special Issue.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Thomas J. Schmidt**

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

## 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.

## 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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

## Contact Us

---

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

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

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