

## Special Issue

# Advances in Organofluorine Chemistry—From Methodology to Applications

### Message from the Guest Editors

An enormous amount of progress has been witnessed in fluorine chemistry in the last two decades, and it has become a mainstream research topic in organic synthesis. The interest of the scientific community towards fluorine hinges on its ability to endow organic scaffolds with unexpected properties. The most striking example is acetic acid vs. fluoroacetic acid, the former being the main component of the everyday-used vinegar and the latter—one of the few naturally occurring organofluorides—is a potent disruptor of the Krebs cycle. Despite this, man-made organofluorides have emerged as highly valuable drug candidates, and 20% of currently approved drugs contain fluoride atoms or fluorinated groups. Furthermore, fluorine-containing compounds are important diagnostics in PET imaging, contrast agents for MRI, and emerging reactive warheads for chemical biology. This Special Issue of *Organics* aims to include advances in fluorine chemistry and radiochemistry, including methodology developments in the late-stage insertion of fluorine and fluorinated groups with different levels of fluorination.

### Guest Editors

Dr. Ermal Ismalaj

Department of Chemistry, KU Leuven, 3001 Leuven, Belgium

Dr. Joachim Demaerel

Department of Chemistry, KU Leuven, Celestijnenlaan 200F Box 2404, 3001 Leuven, Belgium

### Deadline for manuscript submissions

closed (31 May 2023)



## Organics

an Open Access Journal  
by MDPI

Impact Factor 1.6  
CiteScore 2.8



[mdpi.com/si/141801](https://mdpi.com/si/141801)

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

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





# Organics

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6  
CiteScore 2.8



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



## About the Journal

### Message from the Editor-in-Chief

*Organics* is a new open-access journal that offers rapid dissemination of innovative, informative, and impactful results in every aspect of organic chemistry, with a particular emphasis on new or significantly improved research results in the field of organic chemistry. The aim of this journal is to encourage scientists to publish their experimental and theoretical results in great detail to facilitate the advancement of organic chemistry. Sample research topics that span the journal's scope are organic synthesis, synthetic methodology, theoretical organic chemistry, physical organic chemistry, supramolecular and macromolecular chemistry, heterocyclic chemistry, organocatalysis, bioorganic chemistry, organometallic chemistry, functional organic materials, etc. We are flexible with the types of manuscripts accepted, including original research articles, short communications, highlights of new developments and insightful critical reviews.

---

### Editor-in-Chief

Prof. Dr. Wim Dehaen

Molecular Design and Synthesis, Department of Chemistry, KU Leuven,  
Leuven Chem&Tech, Celestijnenlaan 200F, B-3001 Leuven, Belgium

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), CAPlus / SciFinder, and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.3 days after submission; acceptance to publication is undertaken in 4.7 days (median values for papers published in this journal in the second half of 2025).