

Special Issue

Halogen Bond in Crystalline Systems

Message from the Guest Editors

Halogen bonding is a highly investigated and well-established noncovalent interaction in the formation of numerous inorganic and molecular solids. Halogen bonding continues to be an important interaction in the areas of supramolecular chemistry and crystal engineering which focuses on the design of functional materials. Halogen bonding has been exploited to control molecular recognition, photochemical behavior, and thermal expansion in molecular solids as well as the design of extended networks with novel topologies. This Special Issue aims to highlight the latest advances in halogen bonding as it applies to any and all areas of the design and formation of functional crystalline solids.

Guest Editors

Prof. Dr. Ryan Groeneman

Department of Biological Sciences, Webster University, St. Louis, MO 63119, USA

Dr. Eric Reinheimer

Rigaku Americas Corporation, The Woodlands, TX 77381, USA

Deadline for manuscript submissions

closed (31 December 2021)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/78207

Molecules

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 2.4 days (median values for papers published in this journal in the second half of 2024).