



an Open Access Journal by MDPI

Crystal Chemistry, Modularity, Topology and Complexity of Molecular and Inorganic Solids

Guest Editors:

Dr. Alexander M. Banaru

Kola Science Center, Russian
Academy of Sciences, 184209
Apatity, Russia

Dr. Sergey M. Aksenov

Kola Science Centre, Russian
Academy of Sciences, 184209
Apatity, Russia

Dr. Dina V. Deyneko

Faculty of Chemistry, Lomonosov
Moscow State University, 119991
Moscow, Russia

Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

The topological analysis of crystal structures as well as information measurements allows comparing a large number of crystalline materials with various types of chemical bonds. The topological calculations using fundamental building units (blocks or modules) is most relevant for MOFs. However, such a modular approach in molecular and inorganic compounds also considers crystal structures as a combination of modules repeating from structure to structure.

In this Special Issue on “Crystal Chemistry, Modularity, Topology and Complexity of Molecular and Inorganic Solids”, we would like to summarize the most recent result of the detailed analysis of crystal structures in terms of the topological and modular approach.

Dr. Alexander M. Banaru

Dr. Sergey M. Aksenov

Dr. Dina V. Deyneko

Guest Editors



mdpi.com/si/145916

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)