Special Issue

Advances in Protein Folding and Misfolding, and Relations to Functions

Message from the Guest Editor

The protein folding has been tackled by many researchers in couple of decades, but there are still unsolved issues in this phenomenon. The folding processes of several proteins have been analyzed by various experimental, theoretical and computational techniques. It is still an interesting problem to decode the information of the 3D structure formation in the amino acid sequence of a protein. How the folding mechanism of a protein changes during its evolution is also an interesting problem. Such researches will also serve to clarify the various properties of intrinsically disordered proteins and protein misfolding, and may lead to develop a therapy of a disease caused by misfolding of a protein. These investigations will also clarify the origins of the functions of proteins. Thus, we are planning this Special Issue for the aim of comprehensive understanding of protein folding and misfolding in the various aspects, that is, experiment, theory, computation evolution, medical issues and so on. We are also interesting to understand the relationships of folding to functions of various proteins. We are waiting your contribution.

Guest Editor

Dr. Takeshi Kikuchi
College of Life Sciences, Ritsumeikan University, 1-1-1 Nojihigashi, Kusatsu 525-8577, Shiga, Japan

Deadline for manuscript submissions

closed (31 March 2022)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/57533

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

mdpi.com/journal/molecules

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/journal/molecules

About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of 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 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

MDPI