



## How and Why to Investigate Multicomponent Reactions Mechanisms

Guest Editor:

**Prof. Dr. Brenno A.D. Neto**

Instituto de Química,  
Universidade de Brasília, Brasília,  
Brazil

Deadline for manuscript  
submissions:

**closed (29 February 2024)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on the elucidation of multicomponent reactions (MCRs) mechanisms, the effects of catalysis over reaction pathways and methodologies applied in the elucidation of such tricky reactions. The possibility of two or more reaction routes usually observed in MCRs, with several common intermediates formed at different stages, and the challenges noted to select one of these routes are discussed in this Special Issue.

Manuscript formats adopted by *Molecules* may additionally include the following types of papers: articles, reviews, communications, brief reports, etc.

Prof. Dr. Brenno A.D. Neto  
*Guest Editor*





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, St. Alban-Anlage 66  
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](https://twitter.com/Molecules_MDPI)