



an Open Access Journal by MDPI

## Advances in Plant Alkaloid Research

Guest Editor:

### Dr. John C. D'Auria

Research Group Leader -  
Metabolic Diversity Department  
of Molecular Genetics Leibniz  
Institute of Plant Genetics and  
Crop Plant Research (IPK  
Gatersleben) Gatersleben,  
Corrensstraße 3, 06466 Seeland,  
Germany

Deadline for manuscript  
submissions:

**closed (15 September 2019)**

### Message from the Guest Editor

Dear Colleagues,

Plant alkaloids are critical components of modern medicine and pharmaceuticals. In addition, these compounds are also becoming increasingly important for industrial uses as part of the green chemistry revolution. This Special Issue will focus on the molecular advances being made in understanding how such a large and diverse class of compounds are made by plants and how metabolic engineering advances are increasing overall yield of crucial precursors.

Dr. John C. D'Auria  
*Guest Editor*



[mdpi.com/si/13447](https://mdpi.com/si/13447)

# 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 molecular chemistry, now in its 30th 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.

## 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 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

## Contact Us

---

*Molecules* Editorial Office  
MDPI, Grosspeteranlage 5  
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](#)