

## Special Issue

# Natural Products for the Treatment of Diabetes and Obesity

### Message from the Guest Editor

Obesity is a pandemic disease affecting morbidity and mortality in Westernized countries and beyond. Amongst other sequelae, type 2 diabetes is a consequence of obesity, and has a high prevalence in patients with visceral obesity. Plant-derived products offer a wide, hitherto underestimated, source of promising compounds for the prevention and treatment of obesity and its associated complications. The potential effects of promising natural compounds include, but are not restricted to, ameliorations in energy expenditure, satiety, insulin secretion, glucose utilization, adipose tissue inflammation, or beneficial interference with the gut microbiome. Furthermore, the identification and characterization of plants and products thereof for the treatment of obesity-associated consequences such as cardiovascular diseases, renal complications, and fatty liver disease is highly desired. Finally, the synergistic interaction of natural compounds—either with each other or with established medications—for the treatment of obesity and diabetes will be a subject of interest for this Special Issue.

FH-Prof.

### Guest Editor

Prof. Dr. Julian Weghuber

Food Technology and Nutrition, University of Applied Sciences Upper Austria, 4600 Wels, Austria

### Deadline for manuscript submissions

closed (30 June 2022)



## Molecules

an Open Access Journal  
by MDPI

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/si/53432](https://mdpi.com/si/53432)

*Molecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[molecules@mdpi.com](mailto:molecules@mdpi.com)

[mdpi.com/journal/  
molecules](https://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](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 (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).