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## Plant Natural Product: Extraction, Separation, Purification, Essential Oils and Functional Product Development

Guest Editors:

### Dr. Najeeb Ur Rehman

Natural and Medical Sciences  
Research Center, University of  
Nizwa, P.O. Box 33, Birkat Al Mauz  
616, Nizwa, Oman

### Dr. Riaz Ullah

Department of Pharmacognosy,  
College of Pharmacy, King Saud  
University, Riyadh, Saudi Arabia

### Dr. Ajmal Khan

Natural and Medical Sciences  
Research Center, University of  
Nizwa, P.O. Box 33, Birkat Al  
Mauz, Nizwa 616, Oman

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submissions:

**closed (30 September 2023)**

### Message from the Guest Editors

The importance of natural products is increasing day by day due to its prominent contribution to pharmacotherapy, in particular for cancer, diabetic, and other infectious diseases. However, the extraction methods and methods of application might affect the efficacy of natural-based extracts and essential oils.

This Special Issue covers multidisciplinary topics, including the characterization of bioactive compounds, their synthetic modification, and extraction of essential oils from aromatic and medicinal plants. Moreover, this Special Issue is intended to present and discuss high quality original research articles, or review articles focused on new, novel and known active secondary metabolites.

Potential topics include, but are not limited to:

- Isolation, purification, and characterization of secondary metabolites;
- Synthetic modification of natural products with potential pharmaceutical activities;
- Essential oils with different bioassays;
- In vitro and in vivo analysis;
- Medicinal plants and their extracts with pharmacological activities;
- Molecular docking and in silico studies.



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# Special Issue



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## 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.

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*Molecules* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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