# Special Issue

# Development of Analytical Methodologies for Selective Extraction, Separation, Identification, and Purification of Valuable Compounds

## Message from the Guest Editors

The main focus of this Special Issue is to describe the development and optimization of novel analytical methodologies for the selective extraction, separation, identification, and purification of high-added value compounds or fractions from virtually any matrix, such as from chemicals, agriculture, and industrial by-products and wastes; microbial metabolites from fermentation processes by yeasts, molds and bacteria; or compounds from algae and microalgae. Any type of high-added value compound, such as chemicals, food, cosmetics, pharmaceuticals, nutraceuticals, bioenergy (e.g., biofuel, bioethanol, biobutanol, biohydrogen), and biofertilizers will be considered. Likewise, the application of any type of analytical methodology, such as separation techniques (TLC, HPLC, GLC), mass spectrometry (GC-MSn, LC-MSn, HRMS, etc.), and spectroscopy (NMR, NIR, FT-IR, FTIR-PAS) as well as genomics, proteomics, transcriptomics, metabolomics, and lipidomics approaches are also welcome.

## Guest Editors

Dr. João Miguel F. Rocha

Dr. Kristian Pastor

Dr. Nataša Nastić

Prof. Dr. Fatih Ozogul

## Deadline for manuscript submissions

closed (31 October 2023)

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

mdpi.com/journal/molecules

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# 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

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