

## Special Issue

# Extraction and Application Process of Bioactive Substances

### Message from the Guest Editors

By researching the biosynthetic potential of living tissues or microorganisms, biomolecules can be obtained, induced, produced, and recovered; many may also have significant roles in allelopathic interactions in agriculture, in the proliferation or antiproliferation of cell lines, or the (bio)processing of molecules for biotransformation into high-value-added products such as biofuels or biomaterial precursors. This Special Issue includes the following topics:

- The extraction of biosynthetic products from plants and/or microorganisms;
- Bioactivities in tests related to their application in areas such as food, feed, pharmaceutical, biomedical, agricultural, and biofuel production;
- The encapsulation of bioactive compounds in hydrogels to enhance biological efficacy;
- Conventional vs. emergent extraction technologies, bioaugmentation, biotransformation, enzymatic conversion, and other extraction strategies;
- Experimental design, statistical optimization, and validation processes;
- Encapsulation techniques, including microencapsulation and nanoencapsulation.

### Guest Editors

Dr. Miguel A. Medina Morales

Dr. Jesús Alejandro Claudio-Rizo

Dr. Priscilla Barbosa Sales De Albuquerque

### Deadline for manuscript submissions

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## Processes

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

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### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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