

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

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Editor-in-Chief

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