

Special Issue

Supercritical Fluids and Green Processing for Bioactive Compounds and Functional Materials

Message from the Guest Editors

This Special Issue aims to highlight recent advances in the application of supercritical fluids and green processing technologies for the extraction, purification, formulation, and valorization of bioactive compounds and functional materials. Topics of interest include supercritical fluid extraction and fractionation, green solvents and sustainable processes, thermodynamic and phase equilibrium studies, process modeling and optimization, biorefinery concepts, encapsulation and formulation technologies, and innovative applications in the food, pharmaceutical, cosmetic, energy, and environmental sectors. Contributions addressing the integration of sustainable technologies with biomass valorization and circular economy approaches are particularly welcome.

Assistant

Guest Editors

Prof. Dr. Camila Guindani

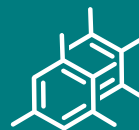
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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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