



Supercritical Fluid Technology: Applications and Opportunities

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Message from the Guest Editor

The use of supercritical fluid is a green technology that has been highlighted as an alternative to replacing conventional extraction methods with greater efficiency and a lower environmental impact for applications in various fields of knowledge. The main solvent used in different applications of this technology is supercritical carbon dioxide (SC-CO₂) since it is nontoxic, non-flammable, non-corrosive, and easy to handle, allowing supercritical operation at low pressures and near room temperature. Supercritical fluid technology offers features that overcome many of the limitations of conventional extraction methods.

This Special Issue will be dedicated to the challenges of novel applications and opportunities for using supercritical fluid technology in various areas, highlighting its main technological advances.

High quality papers and original research will be published, primarily but not exclusively on the following topics:

- Extraction of bioactive compounds;
- Natural product applications;
- Applications in ecotoxicology studies;
- Food toxicology;
- By-products processing;
- Pharmaceutical science applications.





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Message from the Editor-in-Chief

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