

Special Issue

Use of Non Conventional Processes for Sustainability in the Natural Plants Sector

Message from the Guest Editor

The purpose is to create an open space to assess sustainability concept through use of supercritical fluid-based processes considering natural plants for mainly cosmetic and pharmaceutical industries, particularly via interaction with production process to integrate technological, socio-economic, policy and environmental issues.

The topics includes:

The socio-economic impact of natural plants;
Management and preservation of natural plant resources;

Non-conventional supercritical fluid separation processes;

Modeling, optimization and green aspect of supercritical fluid separation processes;

Non-conventional processes integration and intensification;

Biological characterization of essential/vegetable oil;

Application of supercritical fluids: encapsulation of essential/vegetable oil processes, essential/vegetable oil supercritical purification processes, particle generation (micronisation, cristallisation, nanoparticles) processes, impregnation and coating processes;

Valorization and utilization of waste from essential/vegetable oil extraction processes;

Environmental impact of non conventional separation processes;

Biological treatment of supercritical fluid processes liquid effluents...

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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