

Accepted Manuscript

Title: Challenges in the production of pharmaceutical and food related compounds by SC-CO₂ processing of vegetable matter

Authors: Lucia Baldino, Ernesto Reverchon

PII: S0896-8446(17)30704-0
DOI: <https://doi.org/10.1016/j.supflu.2017.11.034>
Reference: SUPFLU 4124

To appear in: *J. of Supercritical Fluids*

Received date: 4-10-2017
Revised date: 28-11-2017
Accepted date: 29-11-2017



Please cite this article as: Lucia Baldino, Ernesto Reverchon, Challenges in the production of pharmaceutical and food related compounds by SC-CO₂ processing of vegetable matter, The Journal of Supercritical Fluids <https://doi.org/10.1016/j.supflu.2017.11.034>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Challenges in the production of pharmaceutical and food related compounds by SC-CO₂ processing of vegetable matter

Lucia Baldino and Ernesto Reverchon*

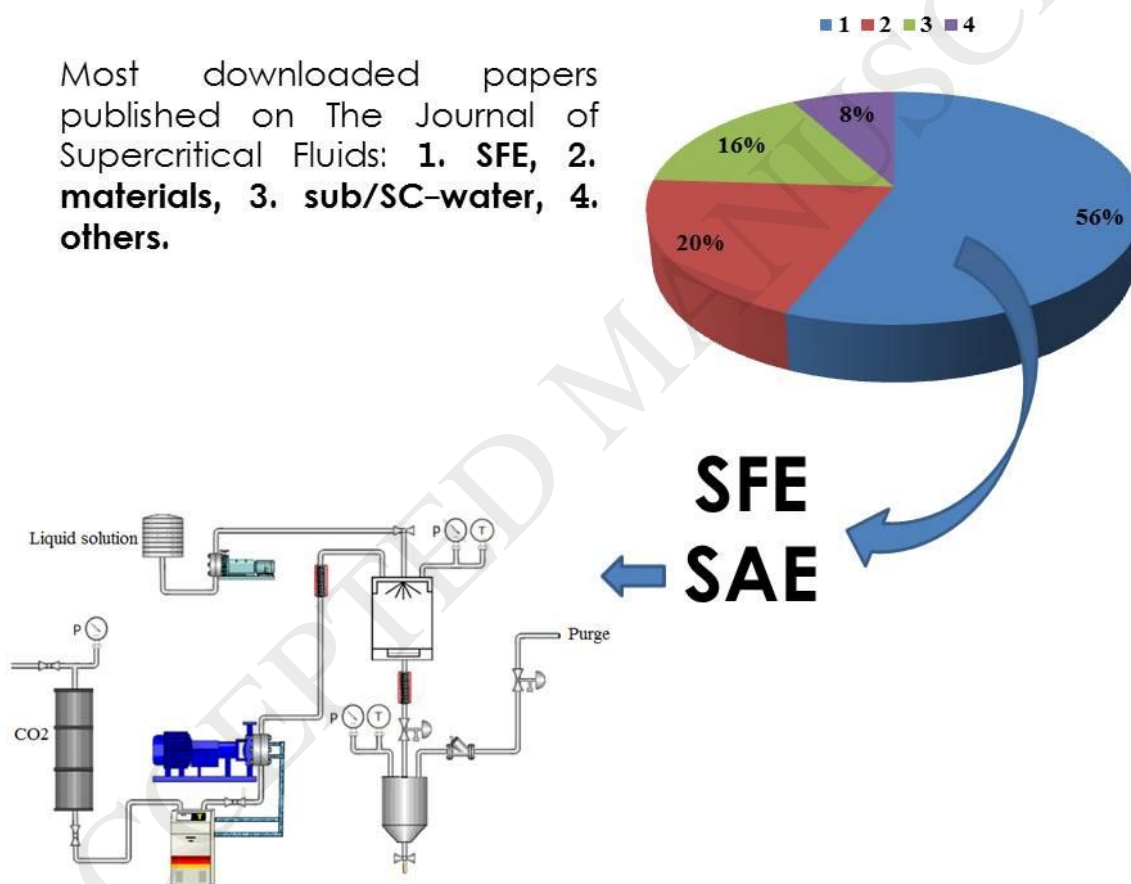
*Department of Industrial Engineering, University of Salerno, Via Giovanni Paolo II, 132, 84084,
Fisciano (SA), Italy*

* Corresponding author information:

ereverchon@unisa.it; +39086964116; www.supercriticalfluidgroup.unisa.it

Graphical Abstract

Most downloaded papers published on The Journal of Supercritical Fluids: **1. SFE**, **2. materials**, **3. sub/SC-water**, **4. others**.



Highlights

- Extraction of active ingredients from vegetable matter is reviewed.
- Using SC-CO₂ it is possible to selectively solubilize compounds of interest.
- SAE could represent a new approach for industrial applications.
- Process arrangement and parameters for SFE and fractional separation are discussed.

Abstract

Download English Version:

<https://daneshyari.com/en/article/6670488>

Download Persian Version:

<https://daneshyari.com/article/6670488>

[Daneshyari.com](https://daneshyari.com)