



Supercritical Fluid and Pharmaceutical Applications

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Message from the Guest Editor

Dear Colleagues,

Depending on the role played by the supercritical carbon dioxide, different processes have been successfully applied in the pharmaceutical field, in order to obtain microparticles and nanoparticles of active principles, coprecipitate drugs with biocompatible polymers, generate membranes and aerogels for pharmaceutical applications, impregnate drugs in porous structures, or produce solid lipid nanoparticles or liposomes.

The aim of this Special Issue is to collect research and review papers on different supercritical carbon dioxide applications in the pharmaceutical field. Contributions dealing with the processing of active principles and the attainment of polymer/drug composites in form of micro and nanoparticles, foams, membranes, aerogels or liposomes for drug delivery are welcome.

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Keywords

- Supercritical carbon dioxide
- Microparticles and nanoparticles processing
- Membranes, aerogels and foams
- Liposomes and solid lipid nanoparticles
- Targeted and controlled drug delivery
- Supercritical Impregnation





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Message from the Editor-in-Chief

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