



Application of Supercritical Fluid to Particulate Systems

Guest Editor:

Prof. Dr. Marco Chaud

College of Pharmaceutical
Science, Sorocaba University,
Sao Paulo, Brazil

Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editor

Dear Colleagues,

Supercritical fluid (SCF) technology is mainly used to optimize the production of drug nanonization and particulate systems for drug delivery, bioactive extraction, and chromatography. Substance manipulation under supercritical conditions is attractive for a range of procedures for demanding materials, pharmaceutical operations, and blend formation. This ranges from “green” technology concepts to impressive particle design opportunities for targeted particle size and size distributions, as well as directed chemical, crystallographic, and physical characteristics. A more recent approach toward surface modification, dispersibility, single nanocrystal formation, and morphology control of nanoparticles demonstrates the versatility of SCF technologies for functionalized coverage for specific targeting purposes such as theranostics, biosensors, antigen-presenting cells, tumoral cells, and antigen-presenting cells.

Original research articles and comprehensive review articles are very welcome from RD&I in the supercritical fluid area carried out at institutes, universities, and industries.

Prof. Dr. Marco Chaud
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceutics and biopharmaceutics. The scientific community, the wider community and the general public have unlimited and free access to the content as soon as a paper is published; this open access to your research ensures your findings are shared with the widest possible audience. Please consider publishing your impressive work in this high quality journal. We would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)

Contact Us

Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/pharmaceutics
pharmaceutics@mdpi.com
X@MDPIpharma