Special Issue

Application of Supercritical Fluids Technology in Various Topics

Message from the Guest Editors

Research and applications of supercritical fluids (SCFs) technology are growing and developing in various fields. These include essential and seed oil extraction, fluid phase equilibria, thermodynamics (equation of state, i.e., PR, SRK, PC-SAFT, COSMO-SAC, COSMO-VAC, etc, empirical and semi-empirical and intelligence approaches), drug delivery systems, particle formation (e.g., RESS, RESSAS, RESS-N, RESS-SC, RESOLV, SAS, SEDS, SFEE, PGSS, US-RESOLV), solubility of a solid solute of drugs and dyes, synthesis of polymers such as cyclic type in supercritical media especially supercritical carbon dioxide (SC-CO2), impregnation, sterilization, cleaning, purification of polluted soils, aerogel, biomass, biodiesel, modeling (FEM, finite element method), molecular dynamic simulation (MDS), heat and mass transfer, power generation systems, adsorption equilibria, liposome encapsulation and others.
This Special Issue aims to cover the application of supercritical fluids (SCFs) technology in different fields and all authors are welcome.

Guest Editors

Prof. Dr. Gholamhossein Sodeifian

Department of Chemical Engineering, Faculty of Engineering, Laboratory of Supercritical Fluids and Nanotechnology, Modeling and Simulation Center, University of Kashan, Kashan 87317-53153, Iran

Dr. Fariba Razmimanesh

Department of Chemical Engineering, Faculty of Engineering, Laboratory of Supercritical Fluids and Nanotechnology, Modeling and Simulation Center, University of Kashan, Kashan 87317-53153, Iran

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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