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# Application of Supercritical Fluids Technology in Various Topics

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Deadline for manuscript submissions:
**closed (31 December 2023)**

## 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.

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## Message from the Editor-in-Chief

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