DESCRIPTION

*The Journal of Supercritical Fluids* is an international journal devoted to the fundamental and applied aspects of pressurized substances and mixtures in the fluid state especially at conditions above the critical point including reactions, separations and chemical processes. Its aim is to provide a focused platform for academic and industrial researchers to publish lasting scientific and technological advances that give new insights into the theory and practice of supercritical fluids and high-pressure processes. Its coverage is multidisciplinary and includes both basic and applied topics.

Thermodynamics and phase equilibria, reaction kinetics and rate processes, thermal and transport properties, and all topics related to processing such as separations (extraction, fractionation, purification, chromatography) nucleation and impregnation are within the scope. Accounts of specific engineering applications such as those encountered in food, fuel, natural products, minerals, pharmaceuticals and polymer industries are included. Topics related to high-pressure equipment design, analytical techniques, sensors, and process control methodologies are also within the scope of the journal.

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AUDIENCE

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Thermodynamics and phase equilibria, reaction kinetics and rate processes, thermal and transport properties, and all topics related to processing such as separations (extraction, fractionation, purification, chromatography) nucleation and impregnation are within the scope. Accounts of specific engineering applications such as those encountered in food, fuel, natural products, minerals, pharmaceuticals and polymer industries are included. Topics related to high pressure equipment design, analytical techniques, sensors, and process control methodologies are also within the scope of the journal. The journal publishes original contributions in all theoretical and experimental aspects of the science and technology of supercritical fluids and processes. Papers that describe novel instrumentation, new experimental methodologies and techniques, predictive procedures and timely review articles are also acceptable.

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