

Special Issue

Supercritical Technology Applied to Food, Pharmaceutical and Chemical Industries

Message from the Guest Editors

Everyday life has made consumers genuinely concerned about the origin of the products they consume.

Therefore, green technologies are overly requested in industrial processing for developing more and more products with a high-quality standard. One of these green technologies is the use of supercritical and pressurized fluids, which may be used in one or several stages of industrial processing. This Special Issue intends to cover various aspects of supercritical technology applied to food, fuel, natural products, pharmaceuticals and materials processing. The manuscripts should focus on (the) extraction, particle formation, hydrolysis, gasification, reactions and catalysis, among other processes that employ high-pressure technologies in an environmentally friendly way. Uses of supercritical chromatography and hyphenated methods with supercritical fluids and pressurized liquids for food and drugs quality assessment are welcome. Modeling, survey papers and reviews are also welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2023)



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Editor-in-Chief

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