Special Issue

Nanoemulsion Processes Design and Applications

Message from the Guest Editor

Surface-active amphiphilic compounds, unique in their structure, allowing the dissolution of one compound in two different solvents, form micellar aggregates—so-called associated colloids—equipped with a number of interesting features. Between the revealed systems, an important role may be played by nanoemulsions, as kinetically stable formulations with a strongly developed external surface at a relatively small volume and viscosity. This Special Issue focusses on the recent progress in the design, engineering, and physicochemical evaluation of novel nanoemulsion formulations. It will include research papers and review articles reflecting the most recent development in this dynamic research area, including nanoemulsions processes by low- or high-energy approaches, colloidal stability, drug solubilisation/encapsulation, and rheology, which can depend on many control parameters such as composition, concentration, size, charge, structural features of surfactants/emulsifying agents, and properties of the liquid/liquid interface.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2024)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/40640

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Editor-in-Chief

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