



Two-Phase Systems: New Trends and Applications

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Message from the Guest Editor

Two-phase systems are a technique for liquid–liquid fractionation, comprising aqueous two-phase systems, and recently have included systems with low or no water content in coexisting phases. These systems are initially formed from a pair of polymers dissolved in water above a critical concentration, and previously have also used salts, organic solvents, ionic liquids, and deep eutectic solvents as constituents. Nowadays, systems formed from low concentrations of water (alcohols + salts + water) or no water (ionic liquids + polymers + ethanol) have also been reported in the literature. This Special Issue presents a set of high-quality research focused on new trends in, and applications of, two-phase systems, such as the following: the use of new constituents and the construction of new phase diagrams for aqueous two-phase systems, as well as biphasic systems with no or low water content; new applications for obtaining biomolecules of interest for the cosmetics, pharmaceuticals and chemicals industries, in addition to potential use in analytical protocols. This issue also focuses on new reactor designs, continuous systems, and intensification procedures.





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Message from the Editor-in-Chief

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