

Special Issue

Deep Eutectic Solvents: Design, Characterization, and Applications

Message from the Guest Editors

Deep eutectic solvents (DESS) have emerged as a versatile and tunable class of solvents with significant potential across various scientific and industrial domains, including pharmaceuticals, gas capture, biorefining, and materials science. Central to their application is a fundamental understanding of their solubility behavior and the underlying molecular interactions governing their formation and function. This Special Issue, "Deep Eutectic Solvents: Design, Characterization, and Applications", aims to compile cutting-edge research and comprehensive reviews that explore the multifaceted solubility phenomena in DESS and leverage theoretical advancements to predict and rationalize their properties.

Guest Editors

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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