

Special Issue

Advances in Green Extraction and Separation Processes

Message from the Guest Editors

Nowadays, the use of conventional solvents remains a concern due to their environmental damage and potential health risks to humans. Therefore, it is crucial to promote investigations that address sustainable processes for extracting and separating pivotal molecules using green solvents (deep eutectic solvents, ionic liquids, supercritical solvents, low- and high-pressure solvents). This Special Issue on “Advances in Green Extraction and Separation Processes” will encompass novel articles or reviews that are in concordance with Green Chemistry principles and commitment to the sustainable processes aims to extract and separate value-added molecules. Topics include, but are not limited to:

- Novel design and implementation of DES mixtures and ionic liquids
- Supercritical CO₂ technology
- Subcritical water, pressure hot water, steam explosion, or organosolv.
- Adsorption–desorption processes
- Membranes technologies
- Advances in enzyme formulation and application

Guest Editors

Dr. Iván Costa-Trigo

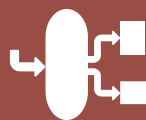
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