

Special Issue

Novel Sustainable Processes with Low Environmental Impact Solvents in Biorefining and Chemical Industry

Message from the Guest Editors

The chemical industry faces significant challenges, particularly the environmental impact and resource accessibility. Green chemistry emerges as a fundamental strategy to minimize the environmental impact by converting biological resources into products. Full implementation of green chemistry hinges on employing low environmental impact solvents. This involves adopting emerging solvents such as ionic liquids, eutectic solvents, water, biomass-derived solvents, or carbon dioxide as alternatives to hazardous organic solvents in analytical techniques. The solvents play a crucial role in transforming lignocellulosic biomass into high-value products. The Special Issue aims to offer an extensive and current perspective on the efficient role of low environmental impact solvents in biorefinery and the chemical industry. Topics of interest include, but are not limited to:

- Advancements in Sustainable Processes and Biorefineries
- Research on Green Chemistry's Environmental Impact Mitigation
- Innovative Green Approaches to Biomass Pre-treatment and Fractionation
- Studies on Low Environmental Impact Solvents for Biomass Transformation

Guest Editors

Dr. Raquel Cañadas

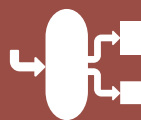
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