Special Issue

Liquid Membranes for Chemical Speciation and Fractionation

Message from the Guest Editor

Most speciation studies require the application of separation methodologies together with appropriate detection techniques. The development of non-chromatographic sample preparation methodologies has powered the interest for its application to fractionation and chemical speciation. Among them, liquid membranes may be used as a valuable tool to selectively separate chemical species from real samples, since they allow performing very simple and low aggressive extraction processes maintaining the inalterability of the samples during chemical separation.

The publication of this Special Issue will introduce recent advances in this interesting application of liquid membranes and will review the state-of-the-art and future perspectives

Guest Editor

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ChemEngineering is to consolidate its position as a high-quality, open access journal that not only disseminates excellent research but also sets the agenda for future directions in chemical engineering. We will continue to highlight core areas such as catalysis, process intensification, and the circular economy, while also opening the door to emerging topics such as multi-energy systems that integrate light, heat, and electricity, etc., as well as digital tools, modelling, and artificial intelligence applied to chemical engineering.

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