



State-of-the-Art Dispersive Liquid-Liquid Microextraction: Advantages and Applications

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Message from the Guest Editors

Introduced by Rezaee and his co-workers in 2006, dispersive liquid–liquid microextraction has quickly developed worldwide due to its characteristics, such as the fact that it is rapid, cheap, easy to operate, and has high recoveries and very good enrichment factors. The method is based on the addition of an immiscible solvent to an aqueous sample for the extraction step, along with a dispersant solvent, which increases the contact between the two immiscible solvents. Recently, different modifications have been proposed for making this method more similar to green chemistry. Simultaneously, the coupling of chromatographic techniques facilitates its applications, which are currently expanding.

This Special Issue aims to present the state-of-the-art of this methodology, with particular regard to the theoretical aspects, applications, future perspectives, and advantages with respect to other extraction methods. Further, applications based on dispersive liquid–liquid microextraction (DLLME) are the focal point of this issue, both in the life science fields and in different technological areas.





methods and protocols



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Message from the Editor-in-Chief

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