



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

Guest Editors:

Prof. Dr. Mario Vincenzo Russo

Department of Agriculture,
Environmental and Food
Sciences, University of Molise,
Campobasso via De Sanctis, I-
86100 Campobasso, Italy

Dr. Pasquale Avino

Department of Agricultural,
Environmental and Food
Sciences (DiAAA), University of
Molise, Via F. De Sanctis, I-86100
Campobasso, Italy

Deadline for manuscript
submissions:

closed (31 January 2021)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Fernando Albericio

1. School of Chemistry and Physics, University of KwaZulu-Natal, Durban, South Africa
2. Department of Organic Chemistry, University of Barcelona, Barcelona, Spain

Message from the Editor-in-Chief

Methods and Protocols (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, ESCI (Web of Science), PubMed, PMC, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q2 (*Biochemistry, Genetics and Molecular Biology (miscellaneous)*)

Contact Us

Methods and Protocols Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/mps
mps@mdpi.com
X@MPs_MDPI