



## Up-to-Date Pharmaceutical Applications of Micro/Nanoemulsions

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### Message from the Guest Editors

Microemulsions (MEs) and nanoemulsions (NEs) are emulsions of a droplet size in the nanometric scale (generally smaller than 250 nm). Classic MEs and NEs consist of oil, water, and an emulsifier. An emulsifier is essential for the formation of minute-sized droplets, because it reduces the interfacial tension, the surface energy per unit area, among the oil and aqueous phases of the emulsion. Both MEs and NEs have attracted great interest as drug delivery systems, as well as cosmetic and cosmeceutical carriers for skin and hair preparations and also in the food industry. Furthermore, the oil phase can be an essential oil, extracted from various plants, with great potential as a natural source of active agents, such as antimicrobials. These natural antimicrobials in MEs and NEs are increasingly utilized in the food and pharmaceutical industries.

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## Message from the Editor-in-Chief

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