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Chemical Composition and Quality Assessment of Essential Oils from Plants

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Message from the Guest Editors

Based on the numerous side effects of synthetically derived medicines, many people are trying to transform their lifestyles through naturopathy. Unfortunately, due to a lack of complete instrumental techniques and strict government regulation, adulteration of natural products is rampant all over the world: adulteration is impacting therapeutic values of oils as well as economy of country. It is estimated that approximately 80% of commercially available, so-called “natural” essential oils are adulterated in some ways. Through research and the establishment of proper standards, which include detailed chemical profiles of what authentic essential oils look like chemometrically and thorough analysis of essential oils by synthetic markers and biomarkers, progress is being made to overcome the instrumental limitation in essential oil analysis and identify adulterated essential oils.



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Special Issue



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Message from the Editor-in-Chief

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