Special Issue

Discussion on Advanced Extraction Techniques for Active Components of Natural Products

Message from the Guest Editors

This Special Issue is specifically designed to facilitate a comprehensive discussion on novel, efficient, and environmentally benign extraction methodologies. We invite original research articles, insightful reviews, and compelling communications that delve into cutting-edge techniques such as ultrasound-assisted extraction, supercritical fluid extraction, microwave-assisted extraction, enzyme-assisted extraction, and innovative biotechnological approaches, including fermentation. Submissions should emphasize strategies for maximizing yield and purity and preserving the bioactivity of target compounds, along with their subsequent rigorous analytical characterization. We particularly welcome studies focusing on the valorization of underutilized biomasses and agro-industrial co-products, and the exploration of practical, scalable applications of these extracted active components within a circular economy framework. This is an invaluable platform to share pioneering research and contribute to the development of more sustainable and impactful bio-based solutions. We eagerly anticipate your valuable contributions.

Guest Editors

Prof. Dr. Anelise Christ-Ribeiro

Prof. Dr. Pinto Luiz Antonio de Almeida

Prof. Dr. Débora Pez Jaeschke

Deadline for manuscript submissions

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Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
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