Special Issue

Application of Chromatography in Bioactive Compound Analysis

Message from the Guest Editors

This Special Issue focuses on the wide application of chromatography—not only for the detection and quantification of compounds but also in sample preparation, including extraction steps. Techniques such as HPLC, GC, and LC-MS, combined with modern detectors, continue to provide fast, reliable, and validated results in fields such as food analysis, pharmaceuticals, and biomedical research.

We welcome original research and review articles that focus on the analysis of bioactive compounds using new or improved chromatographic methods. Particular attention will be given to studies that emphasize the role of bioactive molecules in promoting health, as well as their occurrence in food, medicinal plants, and pharmaceutical products. We especially encourage submissions that combine effective extraction methods with reliable chromatographic techniques—such as LC-MS or GC-MS—to achieve accurate and comprehensive analysis of bioactive compounds.

Studies involving statistical analysis, method validation, or optimization of analytical parameters are also highly encouraged.

Guest Editors

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Message from the Editor-in-Chief

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

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