Special Issue

Liquid Chromatography: Development of Separation Techniques

Message from the Guest Editor

Liquid chromatography is very widely used in the determination of both polar and non-polar compounds. The advantages of this technique include high efficiency, good resolution, high sensitivity, high process speed and the use of high pressures. These favorable parameters are achieved by introducing columns with small grains (1.7 µm). Due to the growing need to identify and determine more and more new analytes and metabolites in complex biological matrices, stationary phases with new fillings (e.g., imitating biological membranes), are used. Additionally, by miniaturization of the chromatographic columns, both the analysis time and the consumption of solvents are significantly reduced. In addition, the use of chemometric tools allows for the development of chromatographic conditions prior to injection.
Therefore, it is my pleasure to invite you to contribute your research article, communication, or review paper to this Special Issue dedicated to the development of new chromatographic methods in the analysis of biologically active compounds, natural products and drugs, the use of new stationary phases, and the modelling of chromatographic conditions.

Guest Editor

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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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