

Special Issue

Microfluidic Analysis and Separation Techniques

Message from the Guest Editor

In recent years, technological advances have made possible an exponential amount of development in microfluidic analysis and enabled us to tackle more complex approaches and challenging samples.

Microfluidic devices can be divided into two groups: separation-driven devices and chemical-analysis-driven devices. To achieve separation, namely of cells for biological applications, fluid manipulation is used in microfluidic devices based on dean flow, pinched flow fractionation (PFF), and tesla valves, among others.

Microfluidic devices for chemical analysis aim to comprise chemical reactions, in an approach that minimizes sample and reagent consumption, involving polymer-based devices with imprinted channels, such as a lab-on-a-chip (LOC), or paper-based devices. In summary, microfluidic analysis involves several research fields. So, dedicating a Special Issue to "Microfluidic Analysis and Separation Techniques" is an ambitious challenge to which I would like to invite you all. Hopefully, your contribution will mirror the vast number of applications of microfluidics and strengthen it as a multidisciplinary field.

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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