

Special Issue

Advances in Microseparation Technology

Message from the Guest Editor

Needs in novel white and red biotechnology process applications, which are derived from large social needs related to, e.g., the bio-based world and innovative medicine initiatives, are causing new challenging separation tasks of high volume/low cost, as well as low volume/high value products at a reduced cost-of-goods. Therefore, improvements in efficient downstream processing technologies for biotechnology process development and manufacturing are still key-issues under research and development. This Special Issue will help to bridge the gap between fundamental academia research and industrial utilization. Topics include but are not limited to: - Process integration using consistent design methods for hybrid separations - Optimal total process integration methods, based on process modeling - Process enhancement activities, such as micro-/milli-structured devices, ultra-sound, microwave, pulsed-electric-field enhances mass transfer - Novel separation media, e.g., nano-scaled and/or selectivity/capacity enhanced

Guest Editor

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Editor-in-Chief

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