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Advances in Microseparation Technology

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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



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Message from the Editor-in-Chief

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