



Multiphase Mass Transfer and Phase Equilibrium in Chemical Processes

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Message from the Guest Editors

Contact apparatuses using a continuous liquid and two or more dispersed phases are common in chemical and biochemical engineering. The transfer of one or more components from one phase to another determines the types of processes and the components' sizes. Research in this field regarding progressively more complex systems with increasingly sophisticated experimental and numerical methods is steadily gaining importance.

This Special Issue addresses researchers in the fields of chemical and bioprocess engineering, as well as thermodynamics. It aims to collect current work in the field of "Multiphase Mass Transfer and Phase Equilibrium in Chemical Processes". The scope includes cases of, i.a., absorption (physisorption, chemisorption), desorption, extraction, and rectification, and ranges from basic cases of single fluid particles in contact with a continuous fluid phase to particle swarm investigations.

The methods include experimental work as well as numerical approaches such as CFD-based cases or compartment modeling.





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Message from the Editor-in-Chief

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