

Special Issue

Multiphase Mass Transfer and Phase Equilibrium in Chemical Processes

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.

Guest Editors

Dr. Lutz Böhm

Prof. Dr. Matthias Kraume

Prof. Dr. Michael Schlüter

Deadline for manuscript submissions

closed (20 January 2023)



Processes

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 5.7



mdpi.com/si/106919

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)





Processes

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 5.7



[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P.
Giuria 9, 10125 Turin, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))