

Special Issue

Smart Flow Control Processes in Micro Scale

Message from the Guest Editors

Dear Potential Contributor, A smart control process has been proposed for many years, while for the smart flow control, especially when “smart flow control” originates at the micro scale, it turns out that many new innovations and enabling technologies are possible. For instance, the precise flow rate in a micro-reactor means a high reaction efficiency. Similarly, for micro-mixers, a smart fluid control can improve the precise distribution of every constituent. Such systems are made up of micro-pumps, micro-channels, micro-valves, and so on.

In this Special Issue on “Smart Flow Control Processes at Micro Scale”, we welcome review articles and original research papers, fundamental or applied, theoretical, numerical, or experimental, on flow at a micro scale. Topics include, but are not limited to, the following:

- Flow control
- Heat transfer
- Mass transfer
- Microchannel
- Micro reactors
- Multiphase flow
- Nanofluidics
- Nanofluids
- Process design
- Process control
- Smart control

Guest Editors

Prof. Dr. Bengt Sundén

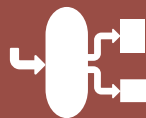
Prof. Dr. Jinyuan Qian

Prof. Dr. Junhui Zhang

Dr. Zan Wu

Deadline for manuscript submissions

closed (31 October 2019)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/25173

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 2.8
CiteScore 5.5



[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))