



10th Anniversary of *Processes*: Feature Papers in Chemical Processes and Systems

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Deadline for manuscript
submissions:

closed (28 February 2024)

Message from the Guest Editor

Dear Colleagues,

The existing chemical industry is facing a fast disruptive transformation. Feedstock that is well-known, steady, and defined (oil, natural gas resources, etc.) is being complemented by unconventional types, such as biomass, CO₂, and hydrogen, which also call for the transformation of operation (size, dynamics, etc.). Complex chemical systems are increasingly integrating multiscaled digital twins, spanning from atoms to plants, which also represent a game-changer for, e.g., catalyst material discovery, real time optimization, etc. A critical timely understanding of these interlinked phenomena is thus direly needed, especially from experts, spanning across traditional recognized disciplines, changing the paradigms in engineering.

This Special Issue on “Feature Review Papers in the “Chemical Systems” Section” aims to collect all the review articles on chemical systems.

Keywords

- chemical systems
- chemical industry
- oil
- natural gas resources
- biomass, CO₂ and hydrogen
- complex chemical systems
- multiscaled digital twins
- catalyst material discovery



mdpi.com/si/70154

Special Issue



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Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

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