

## Special Issue

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

### Message from the Guest Editor

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, CO<sub>2</sub>, 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, CO<sub>2</sub> and hydrogen
- complex chemical systems
- multiscaled digital twins
- catalyst material discovery
- real-time optimization

### Guest Editor

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### Deadline for manuscript submissions

closed (28 February 2024)



## Processes

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## 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.

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