

Special Issue

Process Engineering: Process Design, Control, and Optimization

Message from the Guest Editor

This Special Issue seeks high-quality works focusing on topics of interest, including, but not limited to, the following:

- Advanced process synthesis and design methodologies for novel and sustainable processes;
- Development and application of process modeling and simulation tools for chemical, biochemical, and physical processes;
- Innovative control strategies for complex process systems, including model predictive control, adaptive control, and robust control;
- Data-driven approaches for process monitoring, fault detection, and diagnosis;
- Optimization techniques for process operations, scheduling, and planning;
- Integration of process design, control, and optimization for enhanced process performance and safety;
- Application of artificial intelligence, machine learning, and deep learning in process engineering for design, control, and optimization;
- Techno-economic analysis, life cycle assessment, and sustainability assessment of process systems;
- Process intensification and modular design for improved efficiency and reduced environmental impact;
- Optimization of supply chains and value chains in chemical and process industries.

Guest Editor

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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

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