Special Issue

Chemical Process Intensification: From Molecule to Process Scales

Message from the Guest Editors

Process intensification is a promising pathway in the development of sustainable and cost-effective chemical process systems. Its realization requires the development, design, and optimization of chemical processes at multiple scales, including the molecular, fluid cluster, equipment, and process scales. This Special Issue aims to provide a comprehensive perspective on this topic to attract widespread attention from scientists and engineering with regard to this concept, in order to build more efficient and eco-friendly chemical processes. The topics we are interested in include, but are not limited to:

- Process development, design, optimization and integration;
- Process equipment of reaction, separation, heat transfer, etc.;
- Synthesis of catalysts and adsorbing material, etc.;
- Hydrodynamics, mass transfer, heat transfer;
- Reaction kinetics and mechanism;
- Molecular design and simulation.

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Deadline for manuscript submissions

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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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