



## Integration, Modelling and Optimization of Sustainable Chemical Process

Guest Editors:

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Deadline for manuscript  
submissions:

**closed (10 February 2024)**

### Message from the Guest Editors

This Special Issue intends to present key recent developments in the areas of more efficient energy use, cleaner fuels and biofuels, cleaner production, CO<sub>2</sub> mitigation and capture, optimization and waste management, as well as intelligent process systems and manufacturing.

The topics of interest include, but are not limited to:

- Product and process synthesis/design;
- Process modeling, analysis, simulation, and optimization;
- CO<sub>2</sub> capture and utilization;
- CFD simulation and process intensification;
- Thermodynamics of low-carbon technologies;
- Catalyst development and screening for low-carbon alternatives;
- Renewable energy systems;
- Intelligent process systems and manufacturing;
- Digitalization and real-time optimization;
- Development of low-carbon digitally enabled healthcare services and care models.





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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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