

Special Issue

Integration, Modelling and Optimization of Sustainable Chemical Process

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, CO₂ 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;
- CO₂ 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.

Guest Editors

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Deadline for manuscript submissions

closed (10 February 2024)



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Editor-in-Chief

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