

Special Issue

Advances in Green Process Systems Engineering

Message from the Guest Editors

This Special Issue will showcase state-of-the-art advances in PSE technologies and their applications in promoting green and sustainable developments across chemical, energy, material, and pharmaceutical industries. We seek to highlight a broad range of topics, including but not limited to the following:

- Advanced process simulation and optimization technologies, with a special focus on multi-scale modeling, quality control, and production lifecycle management.
- Exploration and development of renewable energy and materials.
- Process technologies for high energy efficiency and low emissions.
- Implementations of intelligent industry, emphasizing the importance of industrial software, industrial large model, and digital twin techniques.
- Production safety techniques, such as production flexibility and system reliability.
- Challenges and potential research directions in environmental protection and sustainable development.

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