



Special Issue on Process System Engineering

Call for Papers

Chemical Engineering Process System Engineering (PSE) is an interdisciplinary sub-branch of chemical engineering, which leverages computational methodologies, system science and optimization theories to address the full lifecycle of chemical processing systems, spanning planning, design, operation, control and efficient management across multi-scale dimensions. It shifts from traditional reductionism to holistic system analysis, aiming to maximize the overall economic, environmental and operational performance of complex chemical production systems. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in the area of **Process System Engineering**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **Process System Engineering**. In this special issue, potential topics include, but are not limited to:

- Process Modeling & Simulation
- Process Design & Synthesis
- Process Dynamics & Control
- Process Optimization & Operations Research
- Process Safety & Risk Analysis
- Process Integration & Heat Exchanger Networks
- Multiscale Modeling

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Process System Engineering**” should be selected during your submission.

Special Issue timetable:

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