

Special Issue

Design and Optimization in Process Engineering

Message from the Guest Editors

At present, more and more emerging chemical conversion routes have been proposed, in order to pursue processes with better safety, operation efficiency, and economic potential with less environmental impact. Hence, techniques in the field of process systems engineering (PSE) have attracted wide attention. Among the major topics in this field, process design and optimization deals with the problem of performing overall mass and energy balance of any given process, providing the process concept, enhancing the process performance, and so on. It also helps to overcome the gap between lab-scale and plant-scale operation, as well as between theoretical and practical knowledge. Keywords

- design
- optimization
- modeling
- simulation
- chemical process
- techno-economic

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