

Special Issue

Mathematical Modeling and Optimization of Process Industries

Message from the Guest Editors

The process manufacturing industry refers to elementary raw material industries, including those of petroleum, chemicals, steel, nonferrous metals, and building materials. With the tremendous progress in mathematics and information technologies, smart manufacturing has become the core technology in the transformation and upgrading of process industries. In order to achieve the goals of greenization and low-carbon, high-value, and high-end digitalization and intellectualization in process industries, it is necessary to develop new approaches of mathematical modeling and optimization for process industries. Hence, this Special Issue aims to investigate the mathematical modeling and optimization of process industries from the perspective of applications. All related original research that contributes to the mathematical modeling and optimization theory of process industries, along with their applications, is particularly welcome and encouraged.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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Prof. Dr. Francisco Chiclana

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