

Special Issue

New Trends in Hydrodynamics of Industrial Processes: Energy Efficiency and Optimization

Message from the Guest Editors

The hydrodynamic phenomena involved in industrial processes seek to increase efficiency, reduce energy consumption and its environmental impact, and lower operating costs.

This Special Issue aims to present the different advances made so far in the production processes of chemical and biological products, as well as the removal of pollutants by biological, chemical, and photocatalytic processes in aqueous media. It also aims to present to the scientific community the progress achieved with the different geometries of impellers, deflectors, and other devices used in reactors to intensify processes with low energy consumption. In addition, some work will be presented that is relevant to the processes that take place in porous media, which can now be fabricated in a controlled manner using various additive manufacturing technologies, and which present the particular challenge of being difficult to study using some traditional experimental techniques.

Based on the above, researchers are invited to submit their recent results on the above-mentioned topics.

Guest Editors

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Deadline for manuscript submissions

15 September 2025



Processes

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