

Special Issue

Technological Processes for Chemical and Related Industries

Message from the Guest Editor

The continuous development of technology requires new approaches and demands existing processes to be modified in chemical industry production in order to meet the sustainable usage of materials and circular economy policy. Topics of the special issue include, but are not limited to, the following:

- technological processes, with a special focus on process tuning to sustainability and circular economy approaches;
- unit operations for chemical engineering (hydrodynamics, heat and mass transfer);
- technologies and processes for Industry 4.0;
- processes for gas, liquid, and solid waste management;
- mitigation of industry-related air, water, and soil pollution, using chemical, physico-chemical, and biological methods (absorption, filtration, biofiltration, phytoremediation, and others);
- processes for biomass management and valorization towards a broad range of applications;
- modification and novel processes for the petrochemical industry.

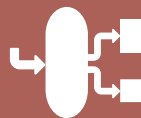
Guest Editor

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Deadline for manuscript submissions

closed (15 November 2025)



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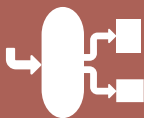


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