Special Issue

Pollutant Removal and Separation Processes in Chemical Engineering

Message from the Guest Editors

This Special Issue on “Pollutant Removal and Separation Processes in Chemical Engineering” aims to explore innovative separation techniques such as sorbents, biofilters, ultrafiltration and reverse osmosis for improved pollutant treatment in different sources in the environment. Certain pharmaceuticals, day care products, disinfectants, pesticides, insecticides, and heavy metals are of special interest. Furthermore, several pollutants are not efficiently removed by conventional treatments such as flocculation, coagulation, sedimentation or biological treatment. This issue aims to promote the introduction of new highly effective and cost-efficient separation technologies for removal of these pollutants from the environment. Topics include but not limited to:

- Novel adsorbents for removal of micropollutants from the environment;
- Biofilms and filtration technologies for pollutants removal;
- Advanced oxidation process for pollutant degradation;
- Nanotechnology applications and process control in pollutants removal

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Deadline for manuscript submissions

closed (15 February 2023)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/48568

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Editor-in-Chief

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