# 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

### **Guest Editors**

Prof. Dr. Taleb Ibrahim

Prof. Dr. Mustafa Khamis

Prof. Dr. Isaac Wait

Prof. Dr. Valentin Nenov

## Deadline for manuscript submissions

closed (15 February 2023)



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You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

#### Editor-in-Chief

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