



## Catalyzing the Sustainable Process Paradigm

Guest Editors:

### Prof. Dr. Hugo de Lasa

Chemical Reactor Engineering  
Centre (CREC), Faculty of  
Engineering, Western University,  
London, ON N6A 5B9, Canada

### Prof. Dr. Carlos Omar Castillo Araiza

Laboratory of Catalytic Reactor  
Engineering Applied to Chemical  
and Biological Systems,  
Department of Process  
Engineering and Hydraulics,  
Universidad Autónoma  
Metropolitana Campus  
Iztapalapa, CDMX, México

Deadline for manuscript  
submissions:

**31 October 2024**

### Message from the Guest Editors

There is an urgent need to develop new green processes. In this respect, it is expected that data obtained from strategically designed laboratory-scale studies will provide the required technical knowledge for the scaling up of green process units. It is also anticipated that new industrial-scale catalytic reactors developed with this approach in mind will have a major impact on hydrogen production, air and water decontamination, CO<sub>2</sub> capture, and many other catalytic technologies. We have planned the “Photocatalytic Reaction Engineering and Catalytic Reaction Engineering-Reactor Configurations and Scale-up” sessions in the context of the **2024-27thCSC** (Canadian Society Catalysis) conference in Sherbrooke, Quebec, which will take place from May 12 to May 15, 2024. Furthermore, on July 22 and July 23rd, 2024, the prestigious **Chemical Catalyst 2024** will take place in Berlin, Germany. Selected contributions are invited for the Special Issue on **Catalyzing the Sustainable Process Paradigm** ([https://www.mdpi.com/journal/catalysts/special\\_issues/W471LR786J](https://www.mdpi.com/journal/catalysts/special_issues/W471LR786J)).

