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## Advances in Chemical Engineering with Symmetry/Asymmetry: A Focus on Clean Processes and Bio-Waste Valorization

Guest Editors:

**Dr. Daniela Zalazar-García**

**Dr. María Celia Román**

**Prof. Dr. Angie Lizeth Espinosa Sarmiento**

**Prof. Dr. Diego M. Yepes Maya**

Deadline for manuscript submissions:

**30 November 2024**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue invites contributions that highlight symmetry approaches as a tool in chemical engineering, with a particular focus on clean processes and bio-waste valorization. We welcome research that delves into how modeling using symmetry approaches at the micro or macro level can improve efficiency systems, sustainability, and the environmental impact of chemical processes. In this context, this Special Issue aims to foster interdisciplinary collaboration between chemists, engineers, and scientists to advance the field of chemical engineering and promote the development of sustainable and efficient processes.

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# Special Issue



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## Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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