

## Special Issue

# Heterogeneous Catalysis: Topics and Advances

### Message from the Guest Editors

Heterogeneous catalysis has seen a surge in academic interest due to its important applications, such as renewable-energy conversion, environmental remediation, organic products synthesis and transformations, green catalysis, and many others. Although unnoticed on its own, symmetry and its implications is often a main topic of research in the field of catalysis. Hence, this Special Issue of *Symmetry* is dedicated to the theme “Heterogeneous Catalysis: Topics and Advances.” The issue is open to submissions covering any aspects of heterogeneous catalysis, fundamental or practical. Special attention will be paid to research, focused on the the implications of symmetry in catalysis, such as (but not limited to): effects of crystallographic structure, shape and orientation on catalytic activity; effects of substrate symmetry in catalysis; symmetric/asymmetric activity and reaction pathways in catalysts; effects of support morphology and structure on catalytic activity (e.g., photonic effects in photocatalysts supported on highly-ordered substrate), etc.

### Guest Editors

Dr. Bozhidar Stefanov

Dr. İlknur Bayrak Pehlivan

Prof. Dr. Silvia Todorova

### Deadline for manuscript submissions

closed (31 October 2022)



## Symmetry

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*Symmetry*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[symmetry@mdpi.com](mailto:symmetry@mdpi.com)

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Sergei Odintsov

1. ICREA, 08010 Barcelona, Spain

2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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