

## Special Issue

# Advances in Heat and Mass Transfer with Symmetry

### Message from the Guest Editors

The development of nanostructured fluid flow has received a lot of interest recently due to its excellent potential for enhancing the photocatalytic efficiency of semiconductor nanomaterials. These hybrid nanostructured materials combine polymers with other innovative 2-dimensional nanosheet materials, such as MXene and black phosphorus (BP), as well as carbon nanomaterials including graphene, GO, CNT, carbon quantum dots, and carbon nitride. The duration of the charge separation state, catalytic activity, and selectivity all significantly increase when nanomaterials are combined with molecular structures. The subjects that are solicited for this Special Issue include (but are not limited to) the design, characterization, and application of the inventive nanostructured photocatalysts mentioned above. All submissions should be in the scope of *Symmetry*.

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### Guest Editors

Dr. Liaqat Ali

Dr. Bagh Ali

Dr. Dumitru Vieru

Prof. Dr. Nehad Ali Shah

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### Deadline for manuscript submissions

closed (31 March 2024)



## Symmetry

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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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### Editor-in-Chief

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