

# Special Issue

## Sports Biomechanics and Symmetry

### Message from the Guest Editors

Human motor performance has both symmetrical and asymmetrical traits. In sports and daily activities, symmetry is seen to be critical for completing safe, efficient, and purposeful actions. Although most coaches and trainers attempt to discover symmetry in motion and correlate asymmetry with a detrimental impact on sports performance, further study is warranted to completely support such an association. Various internal and external factors can cause symmetry and asymmetry in human motor performance, which might change depending on the age, gender, and performance level of clinical patients. Therefore, a comprehensive study of symmetry and asymmetry in human motor performance can be beneficial to physicians, physiotherapists, and human health in general. For this Special Issue, we invite papers exploring and discussing the topic of biomechanical symmetry and asymmetry in human motor performance, particularly a) the effect of internal or external factors on human motor performance; and b) comparability across certain populations; and c) as well as the use of technology that helps to evaluate symmetry in human performance.

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### Guest Editors

Dr. Siddhartha Bikram Panday

Dr. Daichi Yamashita

Dr. Brian Johnston

Dr. Dohoon Koo

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### Deadline for manuscript submissions

closed (30 June 2023)



## Symmetry

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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

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