

Special Issue

Symmetry/Asymmetry in Sport Biomechanics

Message from the Guest Editors

The Special Issue entitled “Symmetry/Asymmetry in Sport Biomechanics” in the *Symmetry* journal's Life Sciences section invites original research and review articles that explore the role of symmetry and asymmetry in sports biomechanics. Topics of interest include the biomechanical analysis of movement patterns, the impact of asymmetry on performance and injury risk, methods to assess and correct asymmetries and the influence of training on symmetry in athletes. Studies utilising advanced technologies such as motion capture, wearable sensors and machine learning to investigate symmetry and asymmetry in sports are particularly encouraged. This issue aims to deepen the understanding of how symmetry and asymmetry affect athletic performance and health, offering insights for coaches, trainers and healthcare professionals.

Guest Editors

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Deadline for manuscript submissions

31 December 2025



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/214628

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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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