



*symmetry*



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## Application of Symmetry in Biomechanics

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Deadline for manuscript  
submissions:

**31 May 2024**

### Message from the Guest Editors

Dear Colleagues,

We are pleased to announce a Special Issue inviting research contributions on the role of symmetry in biomechanics and sports science, focusing on its multifaceted challenges and unresolved questions. This Special Issue seeks to cover various aspects, including injury prevention, rehabilitation, performance optimization, and biomechanical analysis. Submissions that delve into topics such as individual variability in athletes' symmetry, advancements in measuring and analyzing symmetry in dynamic movements, and the interplay between symmetry and asymmetry in different sports contexts are encouraged. Contributions that investigate training interventions for improving symmetry and longitudinal studies on the long-term effects of symmetry and asymmetry on injury risk and athletic performance are also welcome.



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# Special Issue



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## Editor-in-Chief

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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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