

Special Issue

Motion, Gait Analysis and Asymmetry

Message from the Guest Editor

Scientists and clinicians are interested in the establishment of symmetry at the whole-body scale, as well as within individual characteristics. Symmetry is often difficult to establish in real-world interactions. For example, compensatory asymmetries in movement science have been extensively studied between healthy subjects and individuals with pathologies. However, there is conflicting evidence within various tasks, individual variations, and other unknown factors. Even in ergonomic studies where only right-handed individuals were included, results suggest a more protective approach for doing a task that may not apply to left-handed workers. It is critical to pay attention to functional asymmetries, gait analyses, and asymmetries in the neuromusculoskeletal system. Research is needed in order to generate new knowledge and apply it to practical phenomena that would enhance our understanding in both foundational science and the arts. The aim of the present Special Issue is to provide evidence of the phenomena that lie at the crossroads of dynamic motions, gait analyses, motor control, and the asymmetry of functional consequences to implement rehabilitation.

Guest Editor

Prof. Dr. Paul Sung

School of Health Sciences, IWU-National & Global, Indiana Wesleyan University, 4201 South Washington Street, Marion, IN 46953, USA

Deadline for manuscript submissions

closed (31 August 2022)



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/68802

Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)





Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)



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.

Editor-in-Chief

Prof. Dr. Sergei Odintsov
ICREA, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC),
C. Can Magrans s/n, 08193 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within SCIE (Web of Science), Scopus, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1
(General Mathematics)