



symmetry



an Open Access Journal by MDPI

Asymmetry Indexes, Behavioural Instability and the Characterization of Behavioural Patterns II

Guest Editors:

Prof. Dr. Cino Pertoldi
cp@bio.aau.dk

Prof. Dr. Trine Hammer Jensen
thj@aalborgzoo.dk

Dr. Sussie Pagh
sup@bio.aau.dk

Prof. Dr. Aage Kristian Olsen Alstrup
aagealst@rm.dk

Deadline for manuscript submissions:

15 May 2021

Message from the Guest Editors

Dear Colleagues,

The novel concept of behavioural instability and its implications for the definition of the individual personality is now well established. It has been recognized that there is a need for high level of accuracy of a distribution's four parameters: 1) mean, 2) variance, 3) skewness, and 4) kurtosis. In particular, the skewness of a distribution and the mean's distance from the median of the distribution are very relevant for the characterization of the degree of asymmetry of a distribution. These two parameters allow us to quantify the degree of asymmetry in terms of fluctuating asymmetry and directional asymmetry. The variance can be used to estimate the degree of phenotypic variability, which is also correlated with the degree of asymmetry. There is now a need to test the method of "Asymmetry Indexes- Behavioural Instability", on studies with larger sample size from animals kept in captivity and/or model organisms under different environmental setups which can be controlled in the laboratory...



mdpi.com/si/65274

Special Issue



symmetry



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

ICREA, P. Lluis Companys 23,
08010 Barcelona and Institute of
Space Sciences (IEEC-CSIC), C.
Can Magrans s/n, 08193
Barcelona, Spain

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.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, and many other databases.

Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (*General Mathematics*)

Contact Us

Symmetry
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/symmetry
symmetry@mdpi.com
 @Symmetry_MDPI