

Special Issue

Fluctuating Asymmetry in Evolutionary Biology

Message from the Guest Editors

The evolution of populations, in variable environmental conditions is the result of adaptations under the influence of complex environmental stress (combination of abiotic and biotic factors), which directly affects the genetic structure of individuals and biodiversity as a whole. Evolutionary patterns of variation reflect the integration of multilevel variation caused by environmental and genetic stress. The state of population adaptation is estimated by the existence of a developmental noise that is quantified by fluctuating asymmetry. Fluctuating asymmetry represents intra-individual morphological variability and a phenotypic outcome of instability in the development of a particular genotype in the particular environment, resulting from random deviations in the development of one or more morphological traits from their expected developmental pathways...

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



Symmetry

an Open Access Journal
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Impact Factor 2.2
CiteScore 5.3



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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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