

## Special Issue

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

### Message from the Guest Editors

The aim of this special issue is to collect a series of articles which propose the analysis of sequential behavior utilizing the indexes commonly applied for the estimation of developmental instability (fluctuating asymmetry, directional asymmetry and antisymmetry) for the estimation of the degree of “Behavioral Instability”. Deviations from symmetry will be interpreted in ecological and evolutionary terms, where the cost and benefits of changes of the degree of behavioral instability will be analyzed in terms of costs and benefits and its evolutionary significance. Multidisciplinary approaches (theoretical and computational, experimental and empirical approaches) will be presented to validate the proposed approach and to pave the way for future investigation in the novel field of what is best described as behavioral instability. The first five accepted articles will have their open access fees waived.

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### Guest Editors

Prof. Dr. Cino Pertoldi

Prof. Dr. Torsten Nygaard Kristensen

Prof. Dr. Simon Bahrndorff

Dr. Lars Arve Bach

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### Deadline for manuscript submissions

closed (29 February 2020)



## Symmetry

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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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### Editor-in-Chief

Prof. Dr. Sergei Odintsov

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