## Topical Collection

# Do Entropic Approaches Improve Understanding of Biology?

### Message from the Collection Editors

Biology and medicine, from molecules to landscapes, are ideally suited to entropy or information approaches, because biological systems are highly variable, with stochastic processes of Innovation, Transmission, Adaptation and Movement. We are now seeing many papers being published for all biological levels from biomolecules to landscapes. However, these papers often do not assess whether the entropic approach actually gives a better performance than other forecasts or measures. Therefore this Topical Issue of 'Entropy' encourages the submission of manuscripts that do such comparisons, using either or both simulations and biological data. We encourage authors to make their contribution accessible to a wide range of science graduates, without compromising scientific content or flow, for example via a table of symbols and jargon, containing definitions understandable to most science graduates. We also encourage the addition of a supplementary short (e.g., three-minute) video, which explains in plain language the general significance of the major finding(s).

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# About the Journal

## Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

*Entropy* is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

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