Special Issue

Entropy and Nonlinear Dynamics in Medicine, Health, and Life Sciences

Message from the Guest Editors

Methods of entropy and nonlinear dynamics have been developed for gaining insight into the predictability, complexity, and uncertainty of systems involving signals and images. Complex systems are those whose behavior is difficult to predict and model, because of the nonlinear dependencies and relationships between their components. Investigations into the underlying behavior and latent patterns of raw complex data, such as time series, multi-channel, and multi-modal images are useful for answering important questions in medicine, physiology, health, and biology. This Special Issue calls for novel applications of entropy and nonlinear dynamics methods that include, but are not limited to, information–theoretical algorithms; chaos; artificial-intelligence-based nonlinear dynamics; and networks applied to complex diseases, radiology, digital pathology, biomarker discovery, cell biology, and mental health.

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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.

Editor-in-Chief

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