Special Issue

Entropy in Biomedical Applications

Message from the Guest Editors

The acquisition and analysis of biomedical signals and images are valuable diagnostic tests that are widely employed in medicine for the assessment of the patient's condition. As a result of physiologic processes, the acquired data may be modulated and affected by the system's complexity. Accordingly, these data could be regarded as samples of stochastic processes, in occasions difficult to interpret. Still, biomedical data are not completely random, and new methods able to deal with their complexity at different hierarchical levels, time scales and modalities are needed to improve diagnosis as well as the understanding about the interconnections of different physiological systems. We encourage researchers to submit contributions employing entropy-based methods in biomedical problems, e.g. aiming to improve clinical diagnosis or current physiological knowledge. Manuscripts reviewing the state-of-the-art of entropy analysis in biomedical applications are also welcome.

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Deadline for manuscript submissions

closed (31 December 2021)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/46374

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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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