Special Issue

Application of Nonlinear Dynamics in Medicine: Potential and Challenges

Message from the Guest Editors

To collect ideas and evidence for the potential of applying nonlinear dynamic tools in medicine, as well as for the main barriers that hinder the application, this Special Issue will accept unpublished Original Research Articles, Reviews, Perspectives and Commentary Articles that are focused on or related to the following topics:

- Development/improvement of nonlinear analytical tools for physiological data analysis;
- Application of nonlinear analytical tools for diagnosis and prediction of diseases and health outcomes;
- Opinions on the advantages and limitations of existing nonlinear analytical tools;
- Insights into the applications and future directions of nonlinear dynamics in medicine.

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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.

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