

Special Issue

Complex Systems in Biophysics: Modeling and Analysis

Message from the Guest Editor

All living organisms on Earth are complex self-regulating systems. It is of interest both to study organisms as a whole and their parts, cells, cellular structure, etc. Biophysics, biochemistry and molecular biology have accomplished great strides in understanding the functioning of such systems. This poses novel challenges in the practical application of accumulated knowledge and in the development of engineering solutions. This Special Issue intends to present and discuss novel ideas, experimental results, modeling, analyses and design in the field of biophysics of living organisms. Articles and reviews devoted to human health, the biomedical analysis of the state of whole organisms and their various organs are very welcome. Many devices and sensors have been developed for measuring various physical and biophysical parameters of the human body. However, medical science is wary of many of these parameters, and doctors are in no hurry to use them in everyday practice. One of the aims of this Special Issue is to establish a mutual understanding between biophysicists and physicians. However, potential topics include all aspects of complex systems in biophysics.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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