DESCRIPTION

*Chaos, Solitons & Fractals* aims to be the leading journal in the interdisciplinary field of *Nonlinear Science*.

It encourages the submission of high-quality articles (under the form of short communications, regular papers, and review papers) concerning the *fundamentals* of the following subjects: nonlinear dynamics and non-equilibrium processes in physics and applied mathematics; complex matter and networks; biophysics, systems biology and computational biology; fluctuations and random processes; artificial intelligence, machine learning and big data analytics; self-organization and emergent phenomena; applications to social science, engineering and econophysics.

The journal can only accept papers whose primary subject area lies within the above Aims & Scope.

In particular, please take notice of the following, additional, criteria: In order to be acceptable, manuscripts of more *mathematical nature* should have a clear and explicit connection to *physical insight or new qualitative features*. The word "Solitons" should be understood as a label especially *extended to all nonlinear integrable systems in complex natural phenomena*. The paper should not bear on some explicit formulae, some standard solutions, constructions, or asymptotic methods. The journal is interested in articles providing strong insights in the *mathematical theory of fractals* that are profound for an important *particular application*, especially in *complex systems*. Numerical computations should only assist the developed results. The submitted Manuscripts should contain presentations which are a) of *interdisciplinary interest*, b) *easily accessible also to a non-specialized-audience*, and c) *written in an excellent English style*.

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