CHAOS, SOLITONS & FRACTALS
An interdisciplinary journal of nonlinear science

AUTHOR INFORMATION PACK

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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**.

Notice that if the above criteria are not fulfilled, submissions may be desk-rejected by the Journal’s Editors without being sent to reviewers.

AUDIENCE

Engineers, physicists and mathematicians involved in nonlinear sciences, chaos and fractal research.

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