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.

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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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• significantly advance the field;
• be of interest to the community;
• reference previous work correctly;
• fall within the scope of the journal;
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