



# CHAOS, SOLITONS & FRACTALS

An interdisciplinary journal of nonlinear science

## AUTHOR INFORMATION PACK

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ISSN: 0960-0779

### DESCRIPTION

*Chaos, Solitons & Fractals* aims to be a leading journal in the **interdisciplinary field of Nonlinear Science**. It encourages the submission of articles concerning the **fundamentals** of the following subjects: **dynamics; non-equilibrium processes in physics; complex matter and networks; computational biology; fluctuations and random processes; self-organization; social phenomena; technology.**

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### AUDIENCE

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

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Theory of nonlinear dynamical systems and chaos modelling from observational data; Applications to environmental behaviors as observed in situ or from space, with a special focus on biosphere (vegetation, ecology, epidemiology) and hydrosphere (karstic springs, ground water, snow)

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Stochastic systems, with applications at the interface between physics, biology, sociology and economics, in particular phase transitions and tipping points, ergodicity breaking and estimation of risk in uncertain environments

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