

ANALYTICAL MODELS FOR NONLINEAR DYNAMICS AND EVOLVED DYNAMICS IN NATURAL, SOCIAL AND ENGINEERING SCIENCES

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MINISYMPOSIUM

The objective of this mini symposium is to share talks related to evolution, dynamics and evolved dynamics of systems. For this purpose, we seek to analyze, debate or defend new lists of models, equations and solutions that lead to explicit, exact closed analytical solutions or eventually to analytical approximations or expansions accompanied by numerical verifications that can clarify, optimize, reinforce, or facilitate the computational implementation of problems associated with the dynamics or evolution of nonlinear dynamics of interest to the different exact, physical, natural, social and engineering sciences with possible applications in the formulation of research problems associated with the health, progress or general well-being of populations. Due to the wide range of applications and the great diversity of problems covered by this objective and its associated problems, the following area of interest are mentioned, in a non-exclusive manner: I) Conical flow, II) Turbulent flow, III) Nonlinear analysis of the interaction of systems, IV) Evolution of Landscapes in Geomorphology, V) Isolation of dynamic patterns in Biology, VI) Evolution of the Dynamics of subsystems of a Language, VII) Cratering processes associated with high energies, VIII) Models of aging populations, IX) Information flow models, X) Membrane dynamics, XI) Models of interaction of systems with environments and their evolution, XII) Degradation, etc.