

Special Issue

Social Phenomena: Mathematical Modeling and Data Analysis

Message from the Guest Editor

Social phenomena emerge as a consequence of the interaction between social inhabitants. For a long time, scholars from different backgrounds, especially from social sciences, have been studying several dimensions of social phenomena. However, some fundamental properties have still been outside the reach of researchers, mainly for the lack of large amounts of reliable data. The increasing amount of data that is being gathered in this digital age is progressively opening up the possibility to uncover some social patterns not so far detected, as well as pioneering the possibility for the testing of models of social patterns as a collective effect of interaction among single individuals. This Special Issue welcomes contributions to the study of social phenomena in their broad spectrum, from simulations to social data analysis. Some potential topics are agent-based models, opinion dynamics, contagion models, culture models, social network analysis, computational social science, digital human analysis, geographical patterns, network science, big data, etc.

Guest Editor

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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