Special Issue

Mathematical and Statistical Modeling of Socio-Economic Behavior

Message from the Guest Editor

This Special Issue aims to present a critical analysis and survey of the research activity and perspectives stemming from actual and potential interactions between hard sciences, such as mathematics, statistics, and physics, and quantitative social sciences, such as economics, finance, business, as well as education. We plan to present scientific articles focusing on specific issues related to the modeling of socio-economic systems and behavior, with the goal of pushing forward further developments towards general mathematical structures that can capture the complex features of general living and socio-economic systems, as well as capturing how knowledge disseminates through social interactions. Through this Special Issue, we aim to offer a critical overview of a variety of mathematical and statistical approaches, namely, population dynamics, the game theory, evolutive games, mean field games, statistical dynamics, and the kinetic theory, and hope to discuss the advantages and drawbacks of different methodological approaches and tools.

Guest Editor

Prof. Dr. Leone Leonida

King's Business School, King's College London, London WC2R 2LS, UK

Deadline for manuscript submissions

closed (30 November 2023)

About the Journal

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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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