Special Issue

Computational Intelligence Algorithms in Economics and Finance

Message from the Guest Editors

Computational intelligence, intended as a broad set of techniques that extract information from massive datasets, has gained a prominent role in fields of applications and Economics and Finance are no exceptions. The wide availability of massive datasets has revolutionized the ways of conducting analysis. The applications of CI techniques include short- and long-term forecasting, risk classification, optimal resource allocation, and optimal pricing of assets and services. The tasks called for include classification, regression, and optimization. For this Special Issue, we welcome innovative contributions and applications of Machine Learning and Computational Intelligence Algorithms in areas of Economics and Finance, including financial applications that address climate and environmental risk assessment. We especially welcome innovative contributions related to, but not limited to:

- Machine learning
- Deep learning
- Neural networks
- Genetic algorithms
- Credit risk
- Market risk
- Liquidity risk
- Climate risk
- Asset and derivative pricing
- Network modelling
- Portfolio optimization
- Systemic risk
- Insurance

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Deadline for manuscript submissions

closed (31 May 2025)

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.

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