

Special Issue

From COVID-19 to Resilience: Quantitative Methods in Economics and Business

Message from the Guest Editors

The COVID-19 pandemic represents a particularly important challenge for empirical research in economics and finance. The aim of the Special Issue is to explore quantitative methods of measuring resilience, in the context of the pandemic. The measurement and assessment of resilience at different levels requires advanced quantitative and qualitative methods that are based on dynamic approaches and interaction with other socio-economic categories, which, consequently, makes it exceedingly difficult to develop public policies that are oriented towards strengthening resilience in general. This Special Issue aims at collecting papers on the theory and practice on development and implementation of advanced mathematical and instrumental methods in the field of assessing resilience in various economic and business sectors. Applied quantitative methods will allow a better understanding of the interactions between economic and business socio-economic activities, and will contribute to the development of new models or the improvement of existing ones. These methods can be based on traditional modelling, new tools associated with the development of intelligent digital technologies, etc.

Guest Editors

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Deadline for manuscript submissions

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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).