Special Issue

Complex Network Analysis and Time Series Application

Message from the Guest Editors

In the contemporary studies of complex systems, the network theory frequently plays a fundamental role. This is the natural consequence of the internal system's structures (food chains, epidemic spread, social interactions, efficiency of transport systems, economy networks, clique analysis, power greed blackout, electricity production forecast, and many others). Moreover, the development of network theory made it a universal language suitable for fundamental and applied sciences, e.g., mathematics, physics, biology, social sciences, ecology, transport, economy, or power grid. In this framework, various phenomena can be discussed along network topology, statistical properties, and its evolution, as well as the forecasting of systems. The Special Issue aims to present original works as well as review papers related to advances in fundamentals and applied studies of structure, evolution, and forecasting of complex networks.

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Deadline for manuscript submissions

closed (31 March 2024)

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Mathematics

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Impact Factor 2.2
CiteScore 4.6

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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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