# Special Issue

# Modeling and Analysis of Complex Networks

## Message from the Guest Editors

There are many complex networks in the real world, such as interpersonal networks, biological networks, power system networks, and financial networks. Complex network propagation dynamics is the study of the propagation mechanism and dynamic behavior of various complex networks in society and nature, such as the spread of rumors on various media, the prevalence of infectious diseases in populations, the spread of viruses in computer networks, the chain failure in complex power grids, the domino effect of economic crisis, etc. Based on complex network theory, the study of communication in various complex systems is a hot topic in the field of network science. Experts in various disciplines, including computer science, biology, physics, human sociology, etc., are actively exploring how to avoid and control the spread of harmful information and faults in various fields of networks. This Special Issue aims to collate both theoretical and empirical investigations about the coevolving spreading dynamics of complex networks. We welcome original research articles and review papers from different disciplines such as mathematics, computer science, biology, physics, and human sociology.

## Guest Editors

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## Deadline for manuscript submissions

closed (31 December 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

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