

Special Issue

Recent Research in Queuing Theory and Stochastic Models, 2nd Edition

Message from the Guest Editors

The purpose of this Special Issue is to contribute novel papers to the study of queueing theory and stochastic models. In contemporary research, concepts such as sojourn times and busy periods have become quite relevant due to their importance in traffic engineering, telecommunications, and computer systems. As for the temporal concept in queueing systems, it should be noted that these systems have been traditionally considered in a context of continuous time, but that the last two decades has seen an increasing interest in the study of discrete-time queueing systems since they are more suitable than their continuous counterpart for computer modeling and telecommunication systems. Any relevant papers related to the queueing systems and stochastic models are welcome. Keywords:

- Markov chains
- stochastic process
- sojourn times
- busy periods
- heavy traffic regime
- multichannel stochastic network

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2025)



Mathematics

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CiteScore 4.6



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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.

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