

# Special Issue

## Dynamical Systems and Network Science

### Message from the Guest Editor

In response to the Covid-19 pandemic, experts in epidemiology and infectious disease modeling have joined forces with mathematicians and physicists in order inform public policy agencies on how to effectively deal with and eventually manage the crisis. Most of the existing studies in this context are based on classical epidemic diffusion models, although often disregarding the underlying network structure over which the spreading processes are evolving. Thus, the aim of this Special Issue is to contribute to a substantive exploration of the current key mathematical challenges of studying the interplay of nonlinear dynamical processes, discrete topologies, and data structures, i.e., dynamical systems, graphs (networks), and graph databases, in various scenarios from mathematics, computing, and physics to other biological, medical, and social sciences and engineering.

### Guest Editor

Prof. Dr. Moses A. Boudourides

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### Deadline for manuscript submissions

closed (30 September 2021)



## Mathematics

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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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### Editor-in-Chief

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