

Special Issue

Topological Space and Its Applications

Message from the Guest Editors

The main purpose of this Special Issue, which is by and large committed to the broad area of topological spaces, is to collect recent noteworthy results and original research focusing on the latest progress and developments in this research area and its applications. Some well-written expository articles on recent advances could also be considered. We hope that this Special Issue will provide a good platform for researchers in different areas of topology and its applications to come together and exchange ideas on how we can further develop the basic topics that are theoretical in nature as well as on new applications of topology. Potential topics include, but are not limited to, the following:

- Topological vector spaces;
- Function spaces and hyperspaces;
- Set theoretic topology;
- Topological dynamics;
- Continuum theory;
- Topological algebra;
- Category theory;
- Soft and rough topological spaces;
- Applications to differential equations and dynamical systems;
- Fixed point theory;
- Topological methods in nonlinear analysis.

Guest Editors

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).