

Special Issue

Advances in Mathematics: Equations, Algebra, and Discrete Mathematics

Message from the Guest Editor

It is with great pleasure that I introduce a new and exciting project, specifically devoted to exploring the rich and dynamic fields of equations, algebra, and discrete mathematics. Algebra, as one of the foundational pillars of mathematical sciences, continues to captivate and challenge us with its deep complexities and structures. Equations, both differential and difference, are crucial in understanding dynamic systems and modeling various phenomena, while discrete mathematics opens up pathways to computational innovations and theoretical advancements. This Special Issue aims to be as inclusive as possible. I am particularly interested in novel contributions in these areas, including but not limited to studies on number theory, algebraic topology, computational algebra, algebraic curves and surfaces, algebraic combinatorics, complex equations, and discrete mathematics. I encourage researchers and scholars from all over the world to submit their high-quality papers to this Special Issue. I am sure that a lot of new and interesting results will be published and appreciated by the mathematical community worldwide.

Guest Editor

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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 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).

