

Special Issue

Mathematical and Statistical Methods in Detecting and Modeling Abnormalities, Extremes, and Rare Events

Message from the Guest Editors

This Special Issue aims to call for papers that present up-to-date mathematical and statistical methods for detecting and modeling abnormalities, extremes, and rare events. The scope of the applications includes but is not restricted to climate and atmospheric science, risk management, reliability, geosciences, hydrology, finance, economics, insurance, neuroscience, rare diseases, and epidemiology. In addition, theoretical and empirical studies with new methodologies are welcome in the presence of abnormalities, extremes, and rare events.

Guest Editors

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Deadline for manuscript submissions

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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 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).