

Special Issue

Advances in Artificial Intelligence Algorithms for Anomaly Detection and Pattern Recognition

Message from the Guest Editor

Artificial intelligence (AI) continues to revolutionise the way we analyse, interpret, and respond to complex data patterns. AI offers new tools for numerous areas, such as, but not limited to, cybersecurity, fault detection, healthcare diagnostics, financial modelling, and forensic analysis. This Special Issue aims to bring together cutting-edge research and innovative applications in the development of AI algorithms for anomaly detection and pattern recognition across diverse domains.

We invite original research articles, reviews, case studies, and technical notes that address the development, deployment, and evaluation of AI methods in forensic contexts. Authors should submit original, unpublished work that is not currently under review elsewhere.

Join us in shaping the future of forensic investigation through intelligent technologies. We look forward to your contributions to this timely and impactful Special Issue.

Guest Editor

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Deadline for manuscript submissions

1 January 2027



Mathematics

an Open Access Journal
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Impact Factor 2.3
CiteScore 5.4



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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 17.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2026).