Special Issue

Advances in Applied Data Mining and Social Network Analysis

Message from the Guest Editors

This Special Issue, titled "Advances in Applied Data Mining and Social Network Analysis," seeks to present cutting-edge research that integrates mathematical rigor with impactful applications in data mining and social network analysis. In the era of ubiquitous digital interactions, vast volumes of structured and unstructured data are continuously generated from platforms such as social media, financial markets, and cyber-physical systems. These data streams pose both analytical challenges and opportunities for novel mathematical modeling. This Special Issue particularly encourages papers that bridge methodological innovation with real-world applications in FinTech, behavioral analytics, misinformation detection, recommendation systems, and mining systems and engineering. Contributions should demonstrate strong theoretical grounding, offer new analytical insights, and preferably include real-world datasets, formal analysis, and reproducible experiments. Through this Special Issue, we aim to foster dialog between mathematical theory and data-intensive applications, advancing our understanding of complex socio-technical systems.

Guest Editors

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Deadline for manuscript submissions

30 April 2026

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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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