

# Special Issue

## Object Detection: Algorithms, Computations and Practices

### Message from the Guest Editors

As a representative technique of the new generation of knowledge engineering, Knowledge Graph (KG) has attracted extensive attention from both academia and industry. KG refers to any collection of knowledge represented in the form of graph, such as Semantic Web knowledge bases, RDF datasets, and formal ontologies. Nowadays, KG is widely applied in the research areas of artificial intelligence, natural language processing, machine learning, and data mining, since it can provide the capabilities of cognition, reasoning, and decision-making. However, a large number of KG-relevant real-world problems are still unsolved, such as high robust open-world KG construction, alignment, reasoning, update, querying, question answering, and etc. The most difficult key points are the mathematical computation and optimization in the above problems. Thus, this special issue aims to address these challenges by inviting scholarly contributions covering advanced theories, techniques, and applications of mathematical computation in KG. We are looking forward to receiving original research papers, experimental papers, and dataset papers related to the topic.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2025)



## Mathematics

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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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### Editor-in-Chief

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