Special Issue

Bayesian Inference and Modeling with Applications

Message from the Guest Editors

Bayesian theory is well known for delivering reliable estimates of the posterior predictive distribution, which is required for accurate estimation of the distribution of a new observation. The submissions are expected to present either original research or state-of-the-art reviews. The main focus of this issue is on new theoretical results and applications that demonstrate the advantages of using Bayesian inference and modeling for quantifying uncertainty. Real-world applications of the Bayesian theoretical framework are of growing interest and therefore require rigorous and statistically proven evidence of convergence, accuracy, and uncertainty calibration.

Guest Editors

Dr. Vitaly Schetinin

Dr. Livija Jakaite

Prof. Dr. Dayou Li

Deadline for manuscript submissions

closed (30 December 2022)

Σ

Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6

mdpi.com/si/96696

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

mdpi.com/journal/mathematics

MDPI

Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6

mdpi.com/journal/
mathematics

MDPI

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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:

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).