Special Issue

Mathematical Modeling and Cognitive Computing

Message from the Guest Editor

This Special Issue on mathematical modeling and cognitive computing seeks research on mathematical modeling and cognitive enhancement via human–computer interaction (adaptive e-learning technologies). We are currently seeking empirical and theoretical research on subfields such as, but not limited to, mathematics and computational cognition, STEM cognition, cognitive computing and modeling, STEM cognitive enhancement, human–computer interaction, mobile computing (m-learning or e-learning), AI in digital education, machine learning, and digital technology applications. Thus, the current issue seeks to use transdisciplinary research to primarily focus on STEM cognitive enhancement with a focus on mathematical modeling and cognitive computing—in order words, computational cognition and decision making. Unlike existing research, this issue seeks to examine mathematics/STEM modeling and connections linking pattern recognition, spatial visualization/perception, and information processing to apply and enhance computational decision making and processes through 4IR technologies.

Guest Editor

Prof. Dr. Anass Bayaga

Department of Secondary School Teacher Education, Nelson Mandela University, Gqeberha 6000, South Africa

Deadline for manuscript submissions

closed (1 October 2023)

MDPI

Σ

Mathematics

**an Open Access Journal
by MDPI**

**Impact Factor 2.2
CiteScore 4.6**

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).