



Advances in Nonlinear Dynamical Systems and Control Systems

Guest Editor:

Prof. Dr. Mikulas Huba

Institute of Automotive
Mechatronics, Faculty of
Electrical Engineering and
Information Technology, Slovak
University of Technology in
Bratislava, SK-812 19 Bratislava,
Slovakia

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editor

After several waves of innovation, which were reflected in the technological basis of automatic control, it can be stated with that the basic structure of the most used control algorithms remains essentially at the level of solutions from the first half of the 20th century. The search for appropriate solutions requires a reliable design using strict mathematical procedures. We are pleased to announce this Special Issue of the journal *Mathematics* entitled “Advances in Nonlinear Dynamical Systems and Control Systems”. We welcome the authors to contribute to the following aspects:

- PID control
- automatic reset
- predictive control
- nonlinear control
- constrained control
- adaptive control
- intelligent control
- optimal control
- filtration
- multilevel optimization
- measurement and quantization noise
- robustness and uncertainties
- time-delayed systems
- ...





Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q1 (*Mathematics*) / CiteScore - Q1 (*General Mathematics*)

Contact Us

Mathematics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/mathematics
mathematics@mdpi.com
[X@MathematicsMDPI](https://twitter.com/MathematicsMDPI)