

Special Issue

Advances in Nonlinear Dynamical Systems and Control Systems

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.

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

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

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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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

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

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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).