



Applied Mathematics in Astrophysics and Space Science

Guest Editors:

Dr. Sanjar Abrarov

1. Thoth Technology Inc.,
Algonquin Radio Observatory,
Achray Road, RR6, Pembroke, ON
K8A 6W7, Canada
2. Department Earth and Space
Science and Engineering, York
University, 4700 Keele St.,
Toronto, ON M3J 1P3, Canada
3. Epic College of Technology,
5670 McAdam Rd., Mississauga,
ON L4Z 1T2, Canada

Prof. Dr. Rehan Siddiqui

1. Department Earth and Space
Science and Engineering, York
University, 4700 Keele St.,
Toronto, ON M3J 1P3, Canada
2. Epic College of Technology,
5670 McAdam Rd., Mississauga,
ON L4Z 1T2, Canada
3. Department Physics and
Astronomy, York University, 4700
Keele St., Toronto, ON M3J 1P3,
Canada

Message from the Guest Editors

Human activities in industry and agriculture cause a negative impact on the Atmosphere of the Earth. The mathematical and computational methods may be used as efficient tools to predict, for example, the dynamics of pollutants in the Earth atmosphere and compute trajectories of the space debris. Therefore, we would like to devote this Special Issue: “Applied Mathematics in Astrophysics and Space Science of Mathematics”, to Mathematical Physics/Engineering related to Astrophysics and Space Science in a broad scope. It includes, but not limited to, Mathematical Physics/Engineering and Computational Mathematics. Theoretical Analysis, Modeling and Simulation as well as Detection, Measurements, Instrumentation and Statistics with mathematical and computational background are also within the scope of this Special Issue. Computational Finance may also be relevant to the Special Issue, if the content of the study is closely related to the above subjects. We would like to encourage researchers specializing in Astrophysics and Space Science to contribute their state of the art to the Special Issue.

Deadline for manuscript
submissions:

30 October 2024



mdpi.com/si/96126



an Open Access Journal by MDPI

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, Grosspeteranlage 5
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)