

Special Issue

Extensions of General Relativity and Applications to Cosmology and Gravitation

Message from the Guest Editors

This Special Issue aspires to contribute meaningfully to this endeavor by showcasing a range of theoretical physics proposals. It will highlight various applications within cosmology and gravitation, such as exploring the origins of the universe and space-time, unraveling the mysteries of dark energy and dark matter, analyzing primordial gravitational waves, and studying supermassive and primordial black holes, Hawking radiation, and cosmic strings. In this context, we invite the community of theoretical physicists and applied mathematicians to participate in this Special Issue. Our goal is to provide a comprehensive synthesis of the current state of research in this fundamental field. By uniting diverse perspectives and insights, this Special Issue seeks to serve as a valuable resource, advancing our understanding and fostering collaboration across the scientific community. The study of these and other related topics are the goal of this special issue, [...]

For further reading, please follow the [link](#) to the Special Issue Website.

Guest Editors

Dr. Mauricio Bellini

Dr. Mariano Anabitarte

Prof. Dr. Herbert W. Hamber

Deadline for manuscript submissions

closed (30 September 2025)



Universe

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.2



mdpi.com/si/231402

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

[mdpi.com/journal/
universe](https://mdpi.com/journal/universe)





Universe

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.2



[mdpi.com/journal/
universe](https://mdpi.com/journal/universe)



About the Journal

Message from the Editor-in-Chief

The multidisciplinary journal *Universe* is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

Editor-in-Chief

Prof. Dr. Lorenzo Iorio
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,
Italy

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), Astrophysics Data System, INSPIRE, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Astronomy and Astrophysics) / CiteScore - Q2 (General Physics and Astronomy)