

# Special Issue

## Advances and Limitations of Modified Gravity

### Message from the Guest Editors

Despite the enormous success of general relativity, some questions remain unanswered, such as problems related to dark energy, dark matter, inflation, and quantum description of gravity, among others. The new era of high-precision tests of general relativity, with LIGO, VIRGO, EHT, and JWST, has attracted renewed interest among the community in alternative theories of gravity. There are several modified theories of gravity proposed in the literature so far; thus, a Special Issue on the advances and limitations of modified theories of gravity is of great importance. This Special Issue will be hosted in an open access, peer-reviewed journal which publishes original and quality research on all aspects of gravitational physics and cosmology. 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. Geová Maciel De Alencar

Dr. Marcony Silva Cunha

Prof. Dr. Job Saraiva Furtado

---

### Deadline for manuscript submissions

closed (31 March 2024)



## Universe

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 5.2



[mdpi.com/si/159055](https://mdpi.com/si/159055)

*Universe*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[universe@mdpi.com](mailto: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, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

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