

# Special Issue

## Physics inside and outside Black Holes: Observable Effects of Modified and Quantum Gravity Theories

### Message from the Guest Editors

Both Hubble- and Planck-scale investigations of the universe strongly suggest that Einstein's theory of general relativity is incomplete, and needs to be modified and supplemented with necessary corrections. Although numerous models of modified gravity and quantum gravity have been known for a long time, it is important to distinguish the effects of alternative gravity from those of general relativity. Due to their abundance in the observable universe, black holes offer an opportunity to test gravitational theories beyond general relativity.

### Guest Editors

Prof. Dr. Mubasher Jamil  
Dr. Ahmadjon Abdujabbarov  
Dr. Seyed Hossein Hendi

### Deadline for manuscript submissions

closed (25 July 2022)



## Universe

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 5.2



[mdpi.com/si/106771](https://mdpi.com/si/106771)

*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, CAPIus / SciFinder, Inspec, and other databases.

#### Journal Rank:

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