

# 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

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## 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.

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### Editor-in-Chief

Prof. Dr. Lorenzo Iorio  
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