

# Special Issue

## Probing New Physics with Black Holes

### Message from the Guest Editor

Black holes are extremely well defined in general relativity. However, many mysteries remain to be understood. This Special Issue focuses on black holes as probed for new physics. They might be used at the experimental level: from gravitational waves to direct astronomy. Black holes are now being intensively observed, and could reveal unexpected phenomena. This might also be the case at the purely theoretical level: from the recovery of the Bekenstein entropy to the endpoint of the Hawking evaporation, consistency is a very strong requirement. This Issue welcomes contributions about quantum gravity, string theory, or modified gravity effects in the black hole sector.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 December 2019)



## Universe

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## About the Journal

### Message from the Editor-in-Chief

The multidisciplinary *Universe* journal 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 editorial board, I extend my welcome to this new 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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