

Special Issue

Black Hole Physics and Astrophysics

Message from the Guest Editor

Nowadays the technological achievements in astrophysical observations earnestly demonstrate that black holes are the most important objects in the universe. Comprehensive observational and theoretical investigations are urgently requested for better understanding of black hole physics, as the outside and also inside of the black hole event horizon. Reviews and papers with fresh data and ideas are especially welcome. **Keywords:** Black holes; Primordial black holes; Cosmological black holes; Black hole interiors; Dark energy around black holes; Dark matter around black holes; Physics of the early universe; Theory of gravity; Einstein gravity; Black holes in modified gravity; Spacetime singularities; Astroparticle physics; Relativistic accretion; Gravitational waves

Guest Editor

Prof. Dr. Vyacheslav Ivanovich Dokuchaev

Institute for Nuclear Research of the Russian Academy of Sciences,
Moscow 117312, Russia

Deadline for manuscript submissions

closed (29 February 2020)



Universe

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.2



mdpi.com/si/24058

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, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

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