

# Special Issue

## New Progress of Black Hole Accretion Disk

### Message from the Guest Editor

In recent years, significant advancements have been made in the study of black hole accretion disks in binary systems. These studies have shed light on the complex interactions between accretion disks and black holes. However, many questions remain unanswered, such as the formation and evolution of accretion disks, the role of magnetic fields in disk dynamics, and the impact of binary interactions on disk stability and radiation. We also welcome ongoing research uncovering new insights into the dynamics and radiation mechanisms behind these fascinating systems. This Special Issue will bring together novel insights on accretion physics, covering aspects such as active galactic nuclei, black hole X-ray binaries, and X-ray polarization. We welcome original research articles, reviews, and short communications. We believe that your research aligns well with this theme, and we look forward to working together to make this Special Issue a valuable contribution to the field. 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.

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### Guest Editor

Dr. Arghajit Jana

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### Deadline for manuscript submissions

closed (31 October 2025)



## 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  
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,  
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