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Dark Energy and Dark Matter

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Dark energy and dark matter are of immense importance in current astronomy and physics research. Understanding their nature is of great significance when studying the origin, evolution, and ultimate fate of our Universe, and will promote the development of fundamental physics. Currently, various theoretical models of dark energy and dark matter have been proposed; various cosmological probes or means are used to test these models, such as Type Ia supernova (SN Ia), baryon acoustic oscillations (BAO), cosmic microwave background (CMB), gravitational lensing, galaxy clustering, cosmic void, intensity mapping, direct or indirect detection, etc. In addition, a series of next-generation ground- and space-based cosmological surveys will be launched over the next few years. The next decade is anticipated to be a golden age for cosmological studies, especially in relation to dark energy and dark matter.

This Special Issue aims to collect the latest studies on dark energy, dark matter, and modified gravity, including theories and observational results. Original research studies in the form of letters and articles are welcome.



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Special Issue



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Editor-in-Chief

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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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