



Special Issue on Gravitation, Astrophysics and Cosmology

Call for Papers

Astrophysics and Cosmology involve the study of the physical processes that govern the behavior of astronomical objects, and the study of the origin, evolution, composition, and fate of the Universe as a whole. Many of the most vexing and fundamental unsolved problems in physics are being tackled by our group. The majority of the matter in the Universe is not made of the standard model particles we know, but instead of a new component of the Universe, dark matter. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in the area of **Gravitation, Astrophysics and Cosmology**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **Gravitation, Astrophysics and Cosmology**. In this special issue, potential topics include, but are not limited to:

- Theories of the very early universe
- Astronomical detectors and techniques
- Black holes and neutron stars
- Cosmology, gravitation physics
- Planets, stars and galaxies
- Approaches to cosmic acceleration, including modified gravity
- The properties of dark matter and dark energy, and their influence on the formation of galaxies
- The nonlinear growth of structure in the Universe
- The evolution of galaxies through the epoch of reionization and into the recent era
- Millimeter and sub-millimeter observations of galaxy clusters, and of star and galaxy formation
- Observations of transient phenomena in the Universe
- Detection of planets and planet-forming systems around nearby stars
- Observations of the Solar System beyond Neptune

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Gravitation, Astrophysics and Cosmology**” should be selected during your submission.



Special Issue timetable:

Submission Deadline	September 30th, 2021
Publication Date	November 2021

Guest Editor:

For further questions or inquiries
Please contact the Editorial Assistant at
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