



Special Issue on Gravitation, Astrophysics and Cosmology Research

Call for Papers

Gravitation, Astrophysics and Cosmology is the branch of astronomy that deals with the physics of the universe, including the physical properties of celestial objects, as well as their interactions and behavior. Gravitation exists between all the matter and energy of the universe, and is one of the first fundamental forces to be recognized by human beings. It is the gravitational effect that dominates the formation and evolution of the universe. Gravitational physics has also developed a solid experimental side with the building of a variety of gravitational wave detectors and with high-precision tests of gravitational effects on the earth and in orbit. Astrophysics is a discipline that studies the form, structure, physical condition, chemical composition and evolution rule of celestial bodies by using the technology, methods and theories of physics. The content involves mechanics, electromagnetism, thermodynamics, statistical mechanics, quantum mechanics, relativity, nuclear physics and particle physics, atomic and molecular physics. The study of cosmology is theoretical astrophysics at scales much larger than the size of particular gravitationally-bound objects in the universe. 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 research**.

In this special issue, we intend to invite front-line researchers and authors to submit original researches and review articles on exploring **gravitation, astrophysics and cosmology research**. Potential topics include, but are not limited to:

- Big Bang theory
- Newton's universal gravitation
- Gravitational radiation
- Numerical relativity and gravitational wave physics
- Religious, mythological, and metaphysical cosmology
- Galaxy and black hole evolution
- Theoretical astrophysics
- Computational astrophysics
- Extragalactic astronomy, the early universe
- Cosmic rays

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



Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – Gravitation, Astrophysics and Cosmology Research**” should be chosen during your submission.

According to the following timetable:

Submission Deadline	July 12th, 2018
Publication Date	September 2018

Guest Editor:

For further questions or inquiries
Please contact Editorial Assistant at
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