

Special Issue

Current Trends in Cosmology

Message from the Guest Editor

In this Special Issue, we plan to present current research in this field, including future prospects. The SI focuses on publishing research articles, reviews and communications, but other article types will also be considered. All the topics will be discussed from different angles (observational, computer simulations, and theoretical) starting from that concerning the current significant influx of spectacular images of the universe. In detail, the topics of this SI will include:

- The current cosmological model and its tensions (theory and observations).
- Dark matter (theory, observations, detection, production).
- The evolving universe (reionization, first galaxies and their SMBHs, quasars and AGN, the assembly of cosmological structures).
- Probes of the universe from (new incoming) measurements of the CMB and of its large-scale structure.
- Multimessenger cosmology (gravitational waves, cosmic gamma and X-rays, neutrinos).
- Black holes in the universe over 10 orders of magnitude in mass.
- Astrophysical aspects of cosmology.

Guest Editor

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Deadline for manuscript submissions

31 December 2025



Astronomy

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CiteScore 2.3



mdpi.com/si/190644

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About the Journal

Message from the Editor-in-Chief

Astronomy (ISSN 2674-0346) is a new international, peer-reviewed, open access journal on observational and theoretical astronomy, covering astrophysics, astroparticle physics and cosmology, as well as on all aspects of gravitational physics. Its target is scientific excellence of publications and a transparent and efficient referee procedure, leading to an outstanding reputation within the scientific community of its research field.

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