



Exploring and Testing Cosmological Models

Guest Editors:

Dr. Orlando Luongo

Dr. Carlo Schmid

Prof. Dr. Stefano Camera

Dr. Francesco Pace

Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editors

This Special Issue intends to explore research articles focusing on current issues of modern cosmology and astrophysics, investigating early, intermediate and late times of the universe's evolution and proposing alternatives to the standard cosmological scenario. This Special Issue focuses on the study of cosmological models, early-time cosmology, simulations in cosmology, numerical approaches to cosmology, dark matter distribution, small perturbations, solutions to the cosmological constant problem, dynamical systems in cosmology, quantum cosmology, extended theories of gravity, modified theories of gravity, etc. We also welcome the study of relativistic astrophysics in a broad sense. In this respect, wormhole physics, black hole physics, strange stars, gamma-ray bursts, relativistic thermodynamics, nonequilibrium thermodynamics and all possible applications to cosmology are emphasized in this Special Issue.

We also expect to receive review articles describing the current state-of-the-art within this broad subject.

For more details: <https://www.mdpi.com/si/134283>





an Open Access Journal by MDPI

Editors-in-Chief

Dr. Margo Aller

Department of Astronomy,
University of Michigan, Ann
Arbor, MI 48109-1042, USA

Dr. Jose L. Gómez

Instituto de Astrofísica de
Andalucía (IAA-CSIC), Glorieta de
la Astronomía S/N, 18008
Granada, Spain

Message from the Editorial Board

Galaxies provides an advanced forum for studies related to astronomy, astrophysics, and cosmology, including all of their subfields. Different formats, such as specialized research articles, reviews, communications and technical notes are welcomed. Manuscripts containing original and creative research proposals and ideas are especially appreciated.

We encourage scientists to publish their astronomical observations and theoretical results in as much detail as possible. There is no restriction on the paper length and full experimental and methodological details, as applicable, should be provided. All papers will be peer reviewed promptly. On behalf of the distinguished members of the editorial board, I extend my welcome to all researchers working on these subjects to contribute to *Galaxies*.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, ESCI (Web of Science), Astrophysics Data System, INSPIRE, Inspec, and other databases.

Journal Rank: JCR - Q2 (Astronomy and Astrophysics) / CiteScore - Q2 (Astronomy and Astrophysics)

Contact Us

Galaxies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/galaxies
galaxies@mdpi.com
[X@Galaxies_MDPI](https://twitter.com/Galaxies_MDPI)