Special Issue

Understanding the Gaussianity of the Primordial Universe

Message from the Guest Editor

Assessing the Gaussianity of primordial cosmological perturbations has been an open issue over the last few decades. On the theoretical level, primordial non-Gaussianity is a key feature of most inflationary scenarios, and it has been argued that non-detectability of non-Gaussianity is the only means of falsifying inflation. Currently, the tightest available constraints on primordial non-Gaussianity come from bounds on higher-order correlation functions of anisotropies in the cosmic microwave background radiation. However, only non-Gaussianity of the local type is tightly constrained, whereas a vast parameter space for other kinds of non-Gaussianity is still allowed by data. For this reason, future cosmological experiments plan to address this issue with a variety of techniques and carrying out observations all across the electromagnetic spectrum.

Call for papers

Please submit manuscripts via http://susy.mdpi.com/user/manuscripts/upload?journal=galaxies

Guest Editor

Prof. Dr. Stefano Camera
Department of Physics, University of Turin, 10125 Turin, Italy

Deadline for manuscript submissions

closed (31 August 2018)

Galaxies

an Open Access Journal by MDPI

Impact Factor 3.8
CiteScore 6.3

mdpi.com/si/12277

Galaxies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
galaxies@mdpi.com

mdpi.com/journal/galaxies

Galaxies

an Open Access Journal by MDPI

Impact Factor 3.8
CiteScore 6.3

mdpi.com/journal/galaxies

About the Journal

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*.

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

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 23.4 days after submission; acceptance to publication is undertaken in 4.8 days (median values for papers published in this journal in the first half of 2025).