

Special Issue

Extragalactic TeV Astronomy

Message from the Guest Editors

The TeV observations provide a key component of the broadband multi-wavelength spectra of these objects, essential to understanding the physical processes at work, and the measurements have also been used to probe fundamental physics. The recent detections of extragalactic gamma-ray source activity in coincidence with IceCube neutrino events, in addition to the recent TeV detections of gamma-ray bursts, have further highlighted the critical role gamma-ray observations play in the multi-messenger context. The aim of this Special Issue is to review the current state-of-the-art and explore prospects for TeV extragalactic astrophysics. It is particularly timely as the current generation of IACTs will, in the near future, be superseded by the next-generation IACT observatory, the Cherenkov Telescope Array (CTA), and the multi-wavelength and multi-messenger landscapes are evolving. The goal is to address the key questions in TeV extragalactic astrophysics: What have we learned? What are the outstanding issues? What observations, both in the TeV and multi-wavelength context, are needed to address those issues?

Guest Editors

Dr. John Quinn
Dr. Deirdre Horan
Dr. Elisa Pueschel

Deadline for manuscript submissions

closed (30 November 2021)



Galaxies

an Open Access Journal
by MDPI

Impact Factor 3.8
CiteScore 6.3



mdpi.com/si/79923

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

[mdpi.com/journal/
galaxies](https://mdpi.com/journal/galaxies)





Galaxies

an Open Access Journal
by MDPI

Impact Factor 3.8
CiteScore 6.3



[mdpi.com/journal/
galaxies](https://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 25.8 days after submission; acceptance to publication is undertaken in 5.9 days (median values for papers published in this journal in the second half of 2025).