

Special Issue

Challenges in Understanding Black Hole Powered Jets with VLBI

Message from the Guest Editors

The Event Horizon Telescope (EHT) has made a breakthrough in capturing the black hole shadow at the base of the M87 jet for the first time. This discovery has given momentum to explore the formation and acceleration mechanism of jets powered by black holes, one of the biggest mysteries in astrophysics. Riding on this momentum, synergy with worldwide VLBI observation (such as GMVA, EAVN, VLBA, EVN, LBA etc.) is now being vigorously pursued as the key to elucidating the “jet formation and acceleration mechanism”. We are now at a time of rapid progress in instrumental development, observation, and theoretical research, all of which are strongly influencing each other. A variety of unique and budding challenges are being taken up by each.

Guest Editors

Dr. Motoki Kino

Dr. Yosuke Mizuno

Dr. Taehyun Jung

Deadline for manuscript submissions

closed (25 December 2022)



Galaxies

an Open Access Journal
by MDPI

Impact Factor 3.8
CiteScore 6.3



mdpi.com/si/77263

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 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).