

Special Issue

New Perspectives on Radio Galaxy Dynamics

Message from the Guest Editors

Radio Galaxies are the radio luminous products of magnetized AGN jets interacting with circumgalactic and extragalactic media. Radio galaxy jets and their luminous by-products can span volumes extending from a few tens of kpc to multiple Mpc. The basic twin jet dynamical model for radio galaxy dynamics has been around since the mid-1970s. However, over the past several decades, vastly improved observational data and theoretical/numerical modeling sophistication have revealed very rich dynamical pictures for the jets, their by-products and relationships of radio galaxies generally to their surroundings. These new perspectives provide exciting and important, but still-to-be-understood, windows to the physics of the AGN sources, the host galaxies and the circumgalactic and extragalactic environments they encounter. To help frame these new perspectives clearly, *Galaxies* is hosting a Special Issue on this topic. We invite researchers to submit review papers in which the current status of observational, theoretical studies applied to radio galaxy dynamics are discussed, especially in the context of new perspectives brought to the subject.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2023)



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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*.

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