



Peculiar Galaxy Detection

Guest Editor:

Dr. Lior Shamir

Department of Computer
Science, Kansas State University,
Manhattan, KS 66506, USA

Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editor

Dear Colleague,

Galaxies of peculiar morphology that cannot be classified as elliptical, spiral, lenticular, or irregular are far less common in the universe compared to the known galaxy population, yet these objects are important as they carry invaluable information about the past, present, and future of the universe. These relatively rare objects that are not on the Hubble sequence are more common in high redshifts but are also present in the local universe. Among other things, these objects can provide important information about galaxy evolution and gravitational interactions between galaxies.

This Special Issue aims at capturing the state of the art as well as shaping future directions in the expedition of detecting peculiar galaxies. Relevant topics of interest include but are not limited to characterization and definition of peculiar galaxies, use of instrumentation (space-based and ground-based) for peculiar galaxy detection, computational methods and machine vision, crowdsourcing methods, search strategies, multimodal approaches, hybrid methods, and optimization methods for efficient detection of peculiar galaxies.

Dr. Lior Shamir

Guest Editor



mdpi.com/si/33791

Special Issue



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: CiteScore - Q2 (*Astronomy and Astrophysics*)

Contact Us

Galaxies Editorial Office
MDPI, St. Alban-Anlage 66
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)