



## Signals in the Universe: Variable Stars and Transients as Physics Gauges

Guest Editors:

**Prof. Dr. Armando Arellano Ferro**

Instituto de Astronomía,  
Universidad Nacional Autónoma  
de México, Mexico City 04100,  
Mexico

**Prof. Dr. Javier A. Ahumada**

Observatorio Astronómico,  
Universidad Nacional de  
Córdoba, Laprida~854,  
X5000BGR, Córdoba, Argentina

Deadline for manuscript  
submissions:

**closed (31 March 2024)**

### Message from the Guest Editors

We are so excited to invite the astronomical community to contribute to the Special Issue hosted by GALAXIES: “Signals in the Universe: Variable Stars and Transients as Physical Gauges”. The role of variable phenomena in the Universe as indicators of cosmic distances and other physical parameters is, in the most general way, at the very foundation of modern astrophysics. Right from the discovery of the first variable stars, through the well-known P-L relation of classical Cepheids discovered by Mrs. Leavitt, up until the most dramatic detection of gravitational waves produced by colliding black holes, variable phenomena in Astronomy have fundamentally contributed in many ways to a profound understanding of the physical Universe.

We aim to bring together contributions on topics related to variable stars and transient phenomena and their impact as indicators of local and global astrophysics. We shall be delighted in including theoretical, observational and numerical contributions and review-style articles related to these topics.





## 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](http://www.mdpi.com)

[mdpi.com/journal/galaxies](http://mdpi.com/journal/galaxies)  
[galaxies@mdpi.com](mailto:galaxies@mdpi.com)  
[X@Galaxies\\_MDPI](https://twitter.com/Galaxies_MDPI)