



## Monitoring the Non-Thermal Universe

Guest Editors:

**Dr. Daniela Dorner**

Department of Astronomy,  
University Würzburg, 97074  
Würzburg, Germany

**Prof. Dr. Thomas Bretz**

RWTH Aachen University, 52062  
Aachen, Germany

Deadline for manuscript  
submissions:

**closed (31 October 2019)**

### Message from the Guest Editors

Dear Colleagues,

Monitoring is the key to understand the physics governing the non-thermal Universe. Although many sources are studied already in great detail over the entire electromagnetic spectrum, more information is required to further constrain the wide parameter space of emission models. Time-resolved energy spectra in all wavebands are crucial. This highlights the importance of any monitoring program, or more generally: Time-domain astrophysics.

The workshop “Monitoring the Non-Thermal Universe” brings together experts from multi-wavelength and multi-messenger astronomy working on monitoring, observations, variability analysis, astro-statistics, data analysis and interpretation, and theoretical modeling.

With this Special Issue of *Galaxies*, the current status is summarized, providing a unique and comprehensive reference on the importance of monitoring for the insight into source physics. It will serve as a common basis for future studies and projects.





## 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:** JCR - Q2 (Astronomy and Astrophysics) / CiteScore - Q2 (Astronomy and Astrophysics)

## Contact Us

*Galaxies* Editorial Office  
MDPI, Grosspeteranlage 5  
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)