

Special Issue

Astrophysics of Eclipsing Binaries in the Era of Space-Borne Telescopes

Message from the Guest Editor

The aim of this Special Issue is to review and present the most modern knowledge on eclipsing binary studies in the era of space-borne telescopes, robotic sky surveys, and artificial intelligence pipelines and data reduction processes. Special emphasis is given to understanding the physical properties, structure, and evolution of stars within stellar systems, which, in turn, will lead to knowledge of the origin of eclipsing binaries through their stellar progenitors. Some of the key topics to be covered are outlined in the following list:

- Eclipsing binaries in the GAIA era
- Large photometric surveys on eclipsing binaries
- Formation and evolution of binary systems – stellar mergers
- Circumbinary planets
- Magnetically active binaries
- Pulsation in binaries
- New approaches to physical modeling of binary stars

Submission of reviews, as well as focused research articles, are welcome!

Guest Editor

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Deadline for manuscript submissions

closed (1 July 2022)



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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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