



Astrophysical Applications of Gravitational Microlensing

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Message from the Guest Editor

Dear Colleagues,

In recent years, gravitational microlensing has been used for the detection of compact astrophysical halo objects, and microlensing observations have extended to space-based observations using Kepler and Spitzer Telescopes. With this Special Issue we aim to summarize where we stand today and our knowledge in different aspects of gravitational microlensing. Some of the key topics that will be covered in this Special issue of *Galaxies* are:

- Gravitational microlensing and searching MACHOs in the galactic halo;
- Investigating the structure of the Milky Way galaxy with microlensing observation;
- Theory of binary lensing and observations of exoplanets;
- Statistics of exoplanets from the microlensing observations;
- Quasar microlensing;
- Astrophysical applications of microlensing;
- Polarization observations in microlensing;
- Extending microlensing observations to the ratio wavelengths.

Dr. Sohrab Rahvar
Guest Editor



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Special Issue



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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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