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Stellar Astrophysics

Guest Editor:

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Deadline for manuscript
submissions:

closed (10 March 2022)

Message from the Guest Editor

In this Special Issue, we will focus on the role of stellar astrophysics in the global framework of modern astronomy, review the main achievements in stellar astrophysics, and outline the aims and strategies for future development in this crucial field.

This Special Issue will develop a number of subjects:

- The life cycle of stars;
- Brown dwarfs and hot jupiters;
- Endpoints of stellar evolution;
- Evolution of stars in binary systems;
- Planetary systems in the local galaxy;
- Stellar explosions, novae and supernovae, and stellar winds;
- Stellar magnetic fields;
- The most extreme objects in the universe, such as black holes and neutron stars;
- Stars in the early universe;
- Star formation across cosmic time;
- Stellar dynamics and the galactic structure;
- Star formation in starburst galaxies;
- Stellar associations—open clusters and globular clusters;
- Observational facilities and techniques;
- Multi-wavelength synergies;
- Stellar astrophysics with future facilities.



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

The multidisciplinary journal *Universe* is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

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