

# Special Issue

## Stellar Astrophysics, 2nd Edition

### Message from the Guest Editor

This Special Issue will cover a number of subjects, which are as follows:

- The life cycle of stars;
- Brown dwarfs and hot Jupiters;
- Endpoints of stellar evolution;
- Evolution of stars in binary systems;
- Planetary systems in the galaxy;
- Stellar explosions, novae and supernovae, and stellar winds;
- Stellar magnetic fields;
- Black holes and neutron stars;
- Star formation across cosmic time;
- Stellar dynamics and the galactic structure;
- Mapping the galactic stellar populations with Gaia;
- Star formation in starburst galaxies;
- Stellar associations—open clusters and globular clusters;
- Observational facilities and techniques;
- Multi-wavelength synergies;
- Stellar astrophysics with future facilities;
- Gravitational waves from compact stellar systems.

---

### Guest Editor

Prof. Dr. Roberto Mignani  
INAF, Institute for Space Astrophysics, 20133 Milan, Italy

---

### Deadline for manuscript submissions

closed (30 September 2023)



## Universe

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 5.2



[mdpi.com/si/168977](https://mdpi.com/si/168977)

*Universe*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[universe@mdpi.com](mailto:universe@mdpi.com)

[mdpi.com/journal/  
universe](https://mdpi.com/journal/universe)





# Universe

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 5.2



[mdpi.com/journal/  
universe](https://mdpi.com/journal/universe)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Lorenzo Iorio  
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,  
Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Astrophysics Data System, INSPIRE, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Astronomy and Astrophysics) / CiteScore - Q2 (General Physics and Astronomy)