



*universe*



an Open Access Journal by MDPI

## Frontiers in Pulsars Astrophysics

Guest Editor:

### **Prof. Dr. Chengmin Zhang**

1. National Astronomical Observatories, Chinese Academy of Sciences, Beijing 100101, China
2. The University of Chinese Academy of Sciences, Beijing 100049, China

Deadline for manuscript submissions:

**closed (30 September 2022)**

### **Message from the Guest Editor**

Dear Colleagues,

Pulsar and neutron star (NS) astrophysics and astronomy have been one of the most active research areas since its first discovery in 1967. Nowadays, over 3000 such objects have been found by the ground-based radio telescopes and space satellite based high energy detectors, thus the multi-energy bands and multi-frequency EM spectra present us many aspects of neutron stars.

The purpose of this Special Issue is to review the current developments and future perspectives, and brings together various topics on pulsars and neutron stars to form a whole picture of the current understanding of physics. We try to cover the research topics as more as possible, both theory and observation, then, in particular, we would like to focus on the currently hot topics, such as young pulsars, pulsar wind nebula, and supernovae; NS formation and EOS, mass and radius, cooling, glitch, braking index, and magnetic evolution; RRATs to Intermittent pulsars; magnetars... In addition, it is also encouraged for the creative ideas on the enhancement and progress of pulsar and neutron star research fields.

For more information, please visit: [mdpi.com/si/99431](https://mdpi.com/si/99431).



[mdpi.com/si/99431](https://mdpi.com/si/99431)

# Special Issue



*universe*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Lorenzo Iorio**

Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari, Italy

## 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.

## 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)

## Contact Us

---

*Universe* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/universe](http://mdpi.com/journal/universe)  
[universe@mdpi.com](mailto:universe@mdpi.com)  
[X@Universe\\_MDPI](https://twitter.com/Universe_MDPI)