

Special Issue

Research on Origins and Natures of Fast Radio Bursts

Message from the Guest Editors

Fast radio bursts (FRBs) are mysterious millisecond-duration radio transients originating from cosmological distances. As the latest major puzzle in the universe, FRBs have been a subject of intense observational and theoretical investigations in recent years, including their physical origins, observation properties, radiation mechanisms and statistical characteristics. In addition to the FRB sources themselves, propagating effects, e.g., dispersion, Faraday rotation, temporal scattering, scintillation, depolarization, and gravitational/plasma lensing, also play important roles in interpreting FRB observations and constraining the properties of the FRB environment. The purpose of this Special Issue of *Universe* is to provide an overview of the main challenges and issues in the FRB field. It aims to collect recent breakthroughs and insights in FRB observation and research, observational properties of special FRB sources, statistical research and insights based on large FRB samples, new survey technologies and strategies, and multi-messenger observations and constraints, [...].

For further reading, please follow the [website](#) to the Special Issue.

Guest Editors

Dr. Yuan-Pei Yang

South-Western Institute for Astronomy Research, Yunnan University, Kunming 650091, China

Dr. Yi Feng

Zhejiang Laboratory, Hangzhou 311121, China

Dr. Weiyang Wang

The Kavli Institute for Astronomy and Astrophysics, Peking University, Beijing, China

Deadline for manuscript submissions

closed (30 June 2023)



Universe

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.2



mdpi.com/si/144658

Universe
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)