



universe



an Open Access Journal by MDPI

Fast Radio Bursts

Guest Editors:

Dr. Marta Burgay

INAF – Osservatorio Astronomico di Cagliari, Via della Scienza 5, I-09047 Selargius (CA), Italy

Prof. Dr. Sergei B. Popov

1. Sternberg Astronomical Institute, Lomonosov Moscow State University, Universitetsky pr. 13, Moscow 119234, Russia
2. Department of Physics, National Research University 'Higher School of Economics', Myasnitskaya str. 20, Moscow 101000, Russia

Deadline for manuscript submissions:

closed (30 September 2021)

Message from the Guest Editors

Dear Colleagues,

Fast radio bursts (FRBs) are enigmatic transients that appear several thousand times a day in the sky, yet we still are not sure about their origin. Important observational results related to this phenomenon have been obtained regularly since 2013 thanks to old and new instruments such as Parkes, CHIME, ASKAP, UTMOST, FAST, and SRT. These observational results have also been accompanied by many theoretical studies. Recent discoveries of periodicity in activity periods of several repeating FRBs and of simultaneous X/gamma-ray and FRB-like radio bursts from a Galactic magnetar shed new light on properties of sources, but also pose new questions.

The purpose of this Special Issue is to present contributions that describe recent observational and theoretical results on FRBs.

Papers on multi-messenger observations, usage of FRBs as probes of the Universe, emission mechanisms, and population studies of these transients are especially welcome.

For detailed information, please visit here.

Prof. Dr. Marta Burgay
Prof. Dr. Sergei Popov
Guest Editors



mdpi.com/si/49479

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, BA, Italy

Message from the Editor-in-Chief

The multidisciplinary *Universe* journal 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 editorial board, I extend my welcome to this new 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

mdpi.com/journal/universe
universe@mdpi.com
X@Universe_MDPI