



universe



an Open Access Journal by MDPI

Magnetic Fields and Activity through Stellar Evolution

Guest Editor:

**Prof. Dr. Renada
Konstantinova-Antova**

Institute of Astronomy and NAO,
Bulgarian Academy of Sciences,
72 Tsarigradsko Shosse Blvd.,
1040 Sofia, Bulgaria

Deadline for manuscript
submissions:

closed (15 July 2022)

Message from the Guest Editor

Magnetic fields are present everywhere in the Universe. Stars are magnetic from the early stages of their life because they are formed by the plasma in the interstellar clouds. Recent progress in spectropolarimetry, spectroscopy, and interferometry has revealed exciting revelations regarding the magnetic fields and their structure in stars of different mass and at different evolutionary stages. It appears that magnetic fields exist in stars during their whole life, but they are amplified and maintained by different mechanisms with the change of the stellar structure as a star evolves. These recent findings are useful for the theoreticians in the fields of dynamo theory and stellar evolution and prompt further investigation. For example, the influence of the magnetic field on the evolution of a star is still poorly studied. Moreover, the mechanisms generating and maintaining the magnetic fields of stars in very advanced evolutionary stages are still unclear. The activity signatures of these stars, along with many other important topics, remain to be explored. With these brief thoughts, I invite you to contribute to this Special Issue.



mdpi.com/si/68304

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