Special Issue

Magnetic Fields and Activity through Stellar Evolution

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.

Guest Editor

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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

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