

Special Issue

Solar Coronal Loop Dynamics

Message from the Guest Editors

In the past few decades, owing to the large number of observations from novel designed instruments, such as the space telescopes SOHO, TRACE, Hinode, STEREO, SDO, PSP, and SoLO; many ground-based optic telescopes globally; and the ground-based radio telescopes NRH, NoRH, MUSER, and EVOSA, as well as JVLA, ALMA, LOFAR, MWA, etc., we have made great progress in the research of coronal loop dynamics with simulations and theoretical explanations. We invite colleagues to submit their recent papers on one or more of the following topics for this Special Issue:

- New interesting observations of coronal loops;
- Magnetic field diagnostics and extrapolation;
- Waves and oscillations in coronal loops;
- Interactions between coronal loops;
- Heating, cooling, and condensation;
- Particle acceleration & radio emission in coronal loops;
- The triggering and onset of MHD instabilities;
- The evolution of the whole lives of coronal loops.

Guest Editors

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Deadline for manuscript submissions

closed (1 March 2022)



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Impact Factor 2.6
CiteScore 5.2



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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
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