

Special Issue

Small-Scale Eruptions on the Sun

Message from the Guest Editors

Small-scale eruptions, that are ubiquitous on the Sun, are found often to be accompanied or associated with different solar magnetic field phenomena. It is the current and widely accepted view that the triggering mechanism is closely related with magnetic reconnection. The study of small-scale eruptions can improve the understanding of solar atmospheric heating from chromosphere to corona. Based on their observed characteristics, small-scale eruptions have different names including spicules, jets, bright-points, camp-fire, nano-flares etc. Since the first modern observations of these small-scale dynamic phenomena in the solar atmosphere, the understanding of these highly localized eruptions has been advanced greatly, thanks also to the development of MHD and plasma-astrophysics theories, the improvement in computational powers, and to the realization of a number of state-of-the-arts observational facilities with high spatial and spectral resolution and cadence. We encourage submissions ranging from observations and theory to numerical, statistical, and machine learning modeling, in order to foster collaborations across the relevant communities. <https://www.mdpi.com/si/125262>

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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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