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Space Weather

Guest Editors:

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Deadline for manuscript submissions:

closed (30 June 2021)

Message from the Guest Editors

This Special Issue welcomes observational space weather studies related to the magnetosphere and the ionosphere using Van Allen Probe, THEMIS, MMS (NASA's missions), Swarm (ESA's mission), Arase (Japanese/Taiwan mission), and CSES (Chinese mission). In particular, we encourage integrated data analyses of satellites and ground-based network observations to study energetic particles in the geo-space, magnetic storms/substorms, and wave-particle interactions, such as ultra-low-frequency (ULF) and electromagnetic ion cyclotron (EMIC) wave observations. Moreover, space weather forecasting tools, for example, the GPS/GNSS radio occultation technique, performing atmospheric measurements using Metop, COSMIC, and other satellites, are also of interest to this Special Issue. Results from related observations and simulation/modeling studies on magnetospheric research, ionospheric irregularities, and wave propagation from the troposphere are appreciated. Case studies, reviews, and other research studies that are relevant to space weather topics are also welcome.



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Special Issue



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Editor-in-Chief

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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.

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