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Meteorological Models: Recent Trends, Current Progress and Future Directions

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Deadline for manuscript submissions:
closed (5 September 2022)

Message from the Guest Editors

Dear Colleagues,

The radio signal of Earth observation satellites including GNSS, SAR, Remote Sensing, etc., are delayed and bent during their passage from the satellite to the Earth's surface. To establish the atmospheric models with high-accuracy is a crucial task for the Earth observation data processing. In this Special Issue, we are looking for articles that discuss the recent trends, current progress, and future directions for the tropospheric model, ionospheric model, and other relevant atmospheric models, as well as articles that describe the establishment, comparison, and application of various atmospheric models. Recent research that closely relates to the atmospheric modelling, including radio occultation measurement, atmospheric inversion technique, assimilation technique, GNSS-R, is also welcome.

Dr. Fei Yang
Dr. Lei Wang
Dr. Qingzhi Zhao
Guest Editors

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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