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Agrometeorological Time Series and Climate Change

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Deadline for manuscript submissions:
closed (15 July 2022)

Message from the Guest Editors

Agriculture is one of the most important branches of the national economy, which depends, to a large extent, on environmental criteria, and particularly on climatic conditions and the current weather course. Agriculture will face many serious challenges in the coming decades due to climate change; therefore, knowledge of the soil–plant–atmosphere system at various spatial and temporal scales, considering climate change and variability, is relevant.

The Special Issue is open to a wide range of research dealing with the thermal conditions, floods, droughts, water deficit, frosts, strong winds and extreme weather events influencing the agriculture. Thus, specialists on atmosphere, soil physics and chemistry, hydrology, meteorology, climatology, phenology, agronomy and others are welcome. In addition to its purely scientific character, knowledge concerning the responses and rate of changes occurring in agriculture due to climate conditions can also have an applicative character, providing the necessary basis for undertaking mitigation and corrective measures aiming to slow down the effects of global warming.

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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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