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New Studies to Measure the Effects of Climate Change on the Increase in Environmental Risks

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Deadline for manuscript submissions:
closed (15 February 2022)

Message from the Guest Editors

The consequences of climate change have increased exponentially in recent years. As per the director of NASA, the years 2016–2020 were the warmest four years on record, not only typifying the ongoing and dramatic warming trends, but also culminating in a host of extreme events with consequences such as the degradation of landscapes, agricultural losses, emerging diseases, water pollution, loss of monumental heritage, forest fires or floods. At the watershed scale, understanding the effects of such long-term climate trends is essential for the safety and quality of human life, allowing humans to adapt to the changing environment through, however, is still facing significant challenges.

This Special Issue invites papers on the management of both natural or agricultural lands and whole watersheds under climate change and aims at reaching a sustainable ecological function compatible with anthropogenic needs. The Special Issue welcomes contributions that explore the impacts of different experiences on management all over the world, and new methods/technologies used in the measurement of climate change influence are also welcomed.

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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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