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Climate, Water and Wetland Interaction

Guest Editors:

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Prof. Dr. Wei-Ta Fang

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Deadline for manuscript submissions:
closed (26 July 2021)

Message from the Guest Editors

Wetlands are part of the planet's landscape and provide numerous functions that are of substantial and significant value to humans. Loss of coastal wetlands, space, food production, and the displacement of about 800 million people will further contribute to the climate problems we face. Implementation of or returning to traditional environmental knowledge (TEK) and traditional environmental management (TEM) practices may help resolve some of the climate change/water/wetland issues that have been identified. The decisions that we make today and in the future will inevitably challenge/change our way of life in profound ways.

In this Special Issue, we welcome studies on climate, water, and wetland interaction and mainly presenting the most recent advances in:

- Wetlands absorb and store carbon;
- Vulnerability of wetlands from rising sea levels;
- Wetlands for ecosystem-based DRR to extreme weather;
- Wetlands enhance hydrological functions and reduce heat waves;
- Wetlands policy to adapt and mitigate the impacts of climate change.

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Editor-in-Chief

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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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