



climate



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Changing Rainfall Patterns and Food Insecurity: Vulnerable Regions and Adaptation Strategies

Guest Editor:

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Message from the Guest Editor

This Special Issue seeks to explore the intricate relationship between changing rainfall patterns and the escalation of water and food insecurity in these susceptible areas. It addresses the multifaceted dynamics that contribute to increasing flood and drought risks as well as reduced agricultural yields, disrupted crop cycles, and compromised livelihoods, all of which amplify the risk of food shortages and failure in basic infrastructure. Additionally, this Special Issue endeavors to uncover innovative, environmentally sustainable, and cost-effective adaptation strategies and approaches (e.g., nature-based solutions) that communities, governments, and organizations can employ to mitigate the impacts of changing rainfall patterns on water and food security.

Topics of interest include, but are not limited to:

- Climate-induced shifts in rainfall patterns;
- Impacts on agricultural production;
- Food insecurity;
- Natural climate solution;
- Droughts;
- Floods;
- Vulnerability assessment;
- Adaptation strategies.



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Special Issue