

Special Issue

Challenges and Opportunities for Climate-Smart Agriculture

Message from the Guest Editor

Climate change has contributed to droughts, which have negative effects on agricultural production. The increase in average annual temperatures may also lead to a spread of pests and pathogens, as they would not be killed by cold temperatures. However, climate change has led to a decline in insect populations. Many insects are pollinators of plants and, therefore, are critical for crop production. A decrease in precipitation along with an increase in the annual average temperature creates conditions that dramatically elevate the risk and severity of fires. On the other hand, some territories experience more rainfall, which causes freshets and floods, changes in atmospheric circulation and, therefore, hurricanes and storms. Flooding affects agricultural lands, causing waterlogging that results in low yields. This Special Issue aims to solicit original contributions from academics and other stakeholders providing theoretical and empirical analyses focusing on challenges and opportunities for climate-smart agriculture. The editor encourages submissions presenting applications of statistical, econometric analyses and mathematical modeling to the topic of the Special Issue.

Guest Editor

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