



*climate*



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## Sustainable Agriculture for Climate Change Adaptation

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Deadline for manuscript  
submissions:

**closed (30 September 2019)**

### Message from the Guest Editors

Dear Colleagues,

Agriculture both contributes to climate change and is affected by climate change. In particular, agricultural practices and processes can result in significant amounts of methane and nitrous oxide, two powerful greenhouse gases, being released. According to the OECD, agriculture contributes a significant share of the greenhouse gas (GHG) emissions that are causing climate change: approximately 17% directly through agricultural activities and an additional 7% to 14% through land use changes. Agriculture is also likely to be severely affected by climate change. Flooding and droughts will be more common and productivity is expected to decrease in certain parts of the world. However, there is significant potential for efficiency savings and technical solutions exist but these must



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# Special Issue