

## Role of Biotechnology to Reduce Climate-Induced Impacts

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**Abstract :** Climate change is one of the greatest challenges our generation faces, but by embracing biotechnology, we can turn this challenge into an opportunity to grow the economy. Biotechnology provides the sector with a range of solutions that help mitigate the effects of global warming. However, research efforts on investigating the potential and challenges for further utilization of biotechnology to mitigate climate change impacts are still lacking. To address this issue, existing context over the use of biotechnology for climate change mitigation, potential applications, practices being used, and challenges that exist need to be investigated to provide a broader understanding for future researchers and practitioners. This paper, therefore, reviews the existing literature addressing these perspectives to facilitate the application of biotechnology in mitigating hazards arising from climate change.

**Keywords :** climate change, impacts, biotechnology, solutions

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