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Role of Biotechnology to Reduce Climate - Induced Impact

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Abstract : Climate change is one of the most pressing issues facing our generation. However, it also presents an opportunity to grow the economy using biotechnology. Biotechnology offers a variety of solutions that can help mitigate the effects of global warming. Despite this, there is a lack of research on the potential and challenges associated with the further use of biotechnology to combat the impacts of climate change. To address this gap, it is essential to investigate the current context surrounding the use of biotechnology for climate change mitigation, including potential applications, current practices, and existing challenges. By reviewing the existing literature on these perspectives, this paper aims to provide a comprehensive understanding of the potential for biotechnology to mitigate the hazards of climate change. The use of biotechnology to mitigate the effects of climate change will be made easier as a result, and this will lay the groundwork for further study and actual initiatives in this field. Biotechnology can play a crucial role in mitigating the impacts of climate change. It offers a range of solutions, such as genetically modified crops, bioremediation, and bioenergy, that can help reduce greenhouse gas emissions, enhance carbon sequestration, and increase climate resilience. By utilizing biotechnology, we can reduce the negative impacts of climate change and create a more sustainable future. According to this knowledge, researchers can harness the potential of biotechnology to fight climate change and build a more sustainable future for future generations.

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