

## Genetically Modified Organisms (GMOs) and its impact on biodiversity

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Modern biotechnology offers new means of threatening Biodiversity; genetically modified Organism (GMO) is one among them. The fable that GMOs are feeding the world has already led to large-scale destruction of biodiversity and farmers' livelihoods. It is threatening the very basis of our freedom to know what we eat and to choose what we eat. Our biodiversity and our seed freedom are in peril. A deficiency in India inspite of the rich biodiversity base and indigenous knowledge base in India is because the Green Revolution technologies wiped out biodiversity by converting mixed cropping systems to monocultures of Cotton, Wheat and rice and by spreading the use of herbicides which destroy field greens. The GM crops harm biodiversity through a reduction in the insects that serve as a source of food for another kind of wildlife such as birds. The Research found that, When Monarch butterflies feed on leaves that are covered in pollen from GM corn, their growth was slower and they were more likely to die. Another study that investigated pink bollworm fed on GM cotton found similar results. Another study involved aphids that consumed GM potatoes; the food was found to have a detrimental effect on ladybirds that fed on aphids. This paper made an attempt to draw a special attention on Ecological and biodiversity imbalance on GMOs and finally environmental impact of GMOs also discussed.

### Biography

Saravanan. A has completed his LL.B at the age of 22 from Dr. Ambedkar Government Law College, Chennai and Pursing LL.M- II (IPR) from Symbiosis International University (SIU), Pune. He is currently doing research project on Organic Farming with Innovation cell of SIU. He has published two articles in National journal and currently doing his dissertation in the areas of plant-biotechnology and biodiversity conservation.

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