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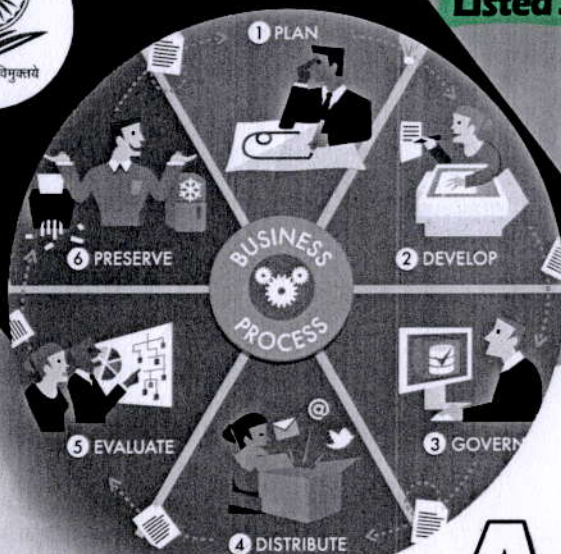
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23. Effect of Global Warming on Biodiversity

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Abstract

Global warming is a global increasing in the temperature of the earth. It affects the daily routine of human beings, animals and plants so main cause of global warming is greenhouse effect. It affects on the different thing is changes in the timings of seasonal plants like earlier flowering of plants. The productivity of agricultural plants also. Now a days Global warming is destroying large amount of Biodiversity. This climatic changes affect on a agricultural plants, animals and atmospheric micro-organism. Small changes in climate will causes 30% decline in quantitative as well as qualitative production in agriculture. The effect of Global warming on an ecosystem is very harmful. Like all biotic organisms of the biosphere, medicinal and aromatic plant also affected by climatic changes. So climatic change has been suggested to be the major driver of biodiversity loss in forest. global warming is a big threat to the existence of all biotic things on earth.

Key Words: Biodiversity , Food Chain , Biotic , Aromatic

Introduction

Global warming is continuously increasing in the environmental problems all over the world. Actually global warming is a global increasing in the temperature of the earth because of some human daily activities. Rise in the temperature occurs when greenhouse gases such as carbon dioxide, chlorofluoro carbon water vapour, nitrous oxide, methane etc. absorb heat from atmosphere and ultimately rise in the temp takes place. It affects the daily routine of human beings, animals and plants so main cause of global warming is greenhouse effect. Global warming is at its highest level and alarm us, warn us regularly with its bad effect.

It affects on the different thing is changes in the timings of seasonal plants like earlier flowering of plants. The productivity of agricultural plants also changes. Some atmospheric changes also takes place, like increased in the level of sea, melting of sea ice, changes in the climate extreme. It also include in the global temperature, change in the rainfall timings, change in the frequency of weather.

In global warming, climate change means a change in the climate that remains over a sustainable period of time.

Methodology

Now a days Global warming is destroying large amount of forest and algae to die. Also acid rain is one of the effect of global warming which is very dangerous. Global warming causes natural fires which burns out complete forest. This climatic changes affect on a agricultural plants, animals and atmospheric micro-organism. It disturbs complete food chain and food web. Climatic changes can changes the availability of food and affect the quality of food also. It affect food quality and quantity result in the reduce agricultural productivity.

Specific temperature range and climatic condition is required for the growth of specific plant. For ex. Soybean and Corn plant can reproduced only above 95 °F and 102 °F temp. changes in climate affect this crop production.

Several reports published by intergovernmental panal of climatic changes has also presented that the poor countries mostly have been adversely affected due to global warming. Due to the low availability of water, crop production have reduced in most tropical and sub tropical region . So even small changes in climate will causes 30% decline in quantitative as well as qualitative production in agriculture.

The temperature increase in Indo Gangetic plain has affect the wheat crop. State like Jharkhand, Chhattisgarh has showed around 40% less production of rice plant. It also reduce respiration because the stomatal pores closes at high temperature.

The effect of Global warming on an ecosystem is very harmful. Many species of plant and animals are moving their range, they are moving from equator towards the pole. They are following the range of comfortable temperature.

It becomes a big problem when the rate of climate change velocity is faster than the rate of organisms can migrate. Because of this all problems, most of the animals may not be able for competition in this new climatic change and they go on extinct

High temperature will also increase the range of many diseases causing micro-organism which damage the plant and animal species, they were formerly protected from the diseases.

As the Global warming affect the plant growth, the plant become less nutritive. The loss of food security indirectly effect on the economy of Indian market. The effect of Global warming on human health is also a very serious factor.

Like all biotic organisms of the biosphere, medicinal and aromatic plant also affected by climatic changes. They show noticeable effect on their life cycle. Some medicinal plants are endemic to geographic regions or ecosystems. The adverse effect on medicinal and aromatic plants may important due to their value in the traditional medicine and in economically useful plants.

Global warming is occurred more rapidly in the arctic zone. According to some expert, the climatic change could affect the chemical composition and ultimately the survival of some medicinal plants in an arctic region . So climatic change has been suggested to be the major driver of biodiversity loss in forest, tropical forests, coral reefs.

Conclusion

Main important thing is to reduce human greenhouse gas emission. It needs global effort of all over the world to reduce its effect and complete elimination.

To reduce the effect of global warming different laws has been put forth. And implementation of that laws by government of different countries takes place such as reducing the harmful vehicle emission reducing the percentage of the chemicals which causes damage to the ozone layer, carpooling, avoiding plant cutting and increasing tree plantation.

We should definitely change our culture positively to reduce harmful waste product by accepting the use of reusable product instead of disposable things. We should definitely purchase the product which having minimum plastic packaging

We should always recycle the paper, news paper, plastic bags, household waste, different electronic atoms, glasses and aluminium can also. To reduce the harmful gases emission, we should try to drive less. We should try to walk as much as possible

By reducing the use of electricity we can also reduce the global warming effect.

We should try to change our habits and encourage others for biodiversity conservation.

Drought and floods both are adversely affect on the agriculture. These are natural disasters which affect on human beings, animals micro-organism, and plant diversity in many aspects. Coral area is most important for the aquatic lives because they provides food and shelter to the different aquatic animals,

So in all aspects global warming is a big threat to the existence of all biotic things on earth in future. It needs to be solved on urgent basis by the global efforts of human beings to maintain healthy, wealthy and happy life everywhere.

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