

Reforestation As a Global Urgency

Outlines

1-Introduction

1.1-Hook

1.2-General Statement

1.3 Thesis: Reforestation is a global urgency due to several reasons like global warming, specie extinction, reduce effect of natural disasters for reducing pollution, recreation for society and providing raw material for industries. There are many ways to initiate reforestation.

2-Facts which manifest reforestation as a global urgency

2.1-Continuously rise in temperature needs to be controlled.

2.2-Animals are at the verge of extinction.

2.3-Soil conservation needs forests

2.4-Forests act as shield against natural disasters

2.5- Forests help in curtailing pollution

2.6- Man is busy in hectic daily routine, while forest provide a natural source of recreation

2.7 Forests produce raw material for industries.

3- Causes of Deforestation

3.1- Rapid Urbanization

3.2- Increase Agricultural Demand

3.3- Cutting down forests for minerals exploration

3.4 No proper laws

3.5 Deforestation due to natural disasters

4- Reforestation; how to materialize this dream?

4.1- Hectic plantation drives

4.2- Strict legislative Measures

4.3- Agroforestry can be a potential source to fulfill dream

4.4-Use of Advanced Technology
4.5-Rooftop Plantation

Conclusion:

The Essay

"He who plants a tree,
plants a hope" (Lucy Larcom)
If we look at today's man
he has achieved various
successes. From caves, to
conquer heights of skies,
he has set his feet in
the deep oceans. But this
is one ~~one~~ side of picture.
Human beings are busy
in destroying nature. By
cutting down forests for
profit, a man is becoming

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enemy of other species also. Deforestation ~~is~~ poses a threat to life on this planet by jeopardizing the food security. Impeded rise in temperature demands forests. Soil is becoming infertile day by day, forests play huge role in restore it's fertility. Different forums reports reveal that many animals are near to extinct. Forests act as shield against floods, wind storms and droughts. They help to keep environment healthy by reducing air quality index also prevents land pollution. Forests are source of natural recreation and contribute to economy. They are beneficial to our industries by providing them

with raw materials. There are some causes of deforestation for example rapid urbanization which demand more food, to explore minerals. These forests are being cut. There ~~are~~ are no proper laws. On the other hand natural disasters like floods and wind storms have repercussions on forest. We can foster reforestation by encouraging plantation campaigns by making strict legislative measures, with help of agroforestry, by utilizing advanced technology and introducing rooftop plantation.

There are several reasons which encourage rapid and meticulous plantation. Trees are essential component of every ecosystem.

Due to humans activities

like burning of fossil fuels which contribute to green house gases which in return rise the temperature of earth. This continuously rising temperature must be kept low. This would be only possible by reforestation. So we have to grow more trees for our survival. Because 100 million cubic meters of forest stock can absorb 160 million tons of carbon dioxide which is a major green house gas. Trees absorb most of the green house gases and keep environment cool. Without forests these gases entrap in atmosphere adds to heat. Forests play crucial role in maintaining carbon-oxygen balance and regulating water cycle.

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Like humans, animals are also being affected by deforestation. They are unable to get their food and to locate their habitats. Animals face difficulties for survival due to global warming. For instance, in 2022, Hoods Pakistan lost over 1.2 million ^{livestock animals}. According to a report of National Fund for animal welfare, there are some species which are near to extinct.

These are orangutans, monarch butterflies, lemurs, jaguars, Sumatran rhinos, chimpanzees and sloths. Reports indicate that passenger ~~peafowl~~ pigeon has wiped out in early 20th century. Species like Formosan clouded leopard who lost his forest home in Taiwan due to deforestation.

So, we try to establish forests to curb the risk of extinction.

Forests restore soil's nutrients to make it more fertile. Trees enhance ability of soil to absorb more water. They protect soil from harmful chemicals and wash out them. Besides this, forests prevent soil erosion by maintaining underground water levels. Root system prevents drastic effects of winds on soil.

Roots of trees and decomposition of organic matter (leaves), help in formation of stable soil aggregates, which improves soil's porosity and aeration.

Forests are also major protectors against natural disasters. It regulates hydrological cycle and water flow. They

act as shield against floods because soil can absorb more water of rainfall. They reduce water flow by preventing rapid runoff into rivers, thus reduce intensity of flood. Roots bind with soil particles and prevent soil erosion by heavy rainfall hence, prevent landsliding. Diverse forests are more resilient to strong wind storms. In south Asia

Mangrove forests are the major defender against tsunamis and their strong roots and trunks prevent destruction due to water flow and save many lives. Bamboo forests act as natural barriers to protect communities from floods in areas with swollen rivers.

Forests help in reducing pollution and curtailing air quality index. Trees enhance amount of oxygen in environment and act as a source of fresh air. Trees absorb most of carbon dioxide. According to US Forest department forests reduce 17.4 million tons of air pollution and save 46.8 billion dollars. Forests also prevent land and water pollution. Trees wash out harmful chemicals and fertilizers before ~~reaching~~ leaching into water. Nowadays technology has shackled the man's life. He wants to enjoy beautiful moments by exploring nature. For this, forests provide a source of natural ~~recreation~~ recreation.

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Forests are important factor in global travel and tourism. They ^{help} the economies to uplift. There are many ways to explore forests as a source of tourism. For example wild life adds 3.9% to global tourism ~~44.7%~~ 343.6 billion dollars to economy and has created 21.8 million jobs. Forests also enhance income at local level. In northern areas of Pakistan, there are mountains surrounding by forests. Many people are linked with them for business.

At ~~Si~~ mountaineers photographers are busy in capturing pictures of tourists and earning money. In the same manner, gun shooting and ~~horse~~ riding have become major sources of income.

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For increasing number of people, forests provide essential raw material for construction and industries. They are great source of timber. Forests provide resins and gums for manufacturing industries. They are source of herbs which is useful in medicine and pharmaceutical industries. Botanical plants are provided by forests which are used in agricultural industries for research.