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Research Article

A STUDY OF ATTITUDE REGARDING GLOBAL WARMING AMONG SECONDARY SCHOOL TEACHER OF AURANGABAD

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ABSTRACT

The evidence that humans are causing global warming is strong, but the question of what to do about it remains controversial. Economics, sociology, and politics are all important factors in planning for the future. A commonly cited goal is to stabilize Green House Gases (GHG) concentrations around 450-550 parts per million (ppm), or about twice pre-industrial levels. This is the point at which many believe the most damaging impacts of climate change can be avoided. Current concentrations are about 380 ppm, which means there isn't much time to lose. According to the IPCC, we'd have to reduce GHG emissions by 50% to 80% of what they're on track to be in the next century to reach this level.

Key Words:

Global Warming, Green House Gases, Bio Hazards, Environment.

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INTRODUCTION

We are living in an age of technical progress that is advancing with the speed of lighting and the benefit of which are accompanied by some baneful effect on mankind as well as on earth and that is nothing but the global Warming as a result of our activities, the water, air, and land can be effected in no. of harmful ways.

As we know that the global warming refers to an expected rise in temperature & it is the process which is continuously warning the earth, our planets overall temperature in almost every region has been on a rise for over a century now.

The reason behind this increase in temperature is continued emission of carbon dioxide & other green house gases in atmosphere which are capable of trapping heat the well known green house gases is carbon. Dioxide carbon dioxide along with the other green houses gases, like nitrous oxide, methane, hydrofluoric carbons per fluorocarbons etc.turns the earth radiates energy back into space.

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Green House Gases and Effects

The mechanism by which carbon dioxide traps heat in the atmosphere is referred to as the "Green House Effect". carbon Dioxide along with the other green House Gases, Nitrous Oxide(NO₂) Methane (CH₄)(which is 20 times protect a green house gas as carbon dioxide), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulphur Hexafluoride (SF₆), plus three Fluorinated industrial gases and water vapors is also considered a greenhouse gas.

These gases turns the earth radiates energy back into space. Many of these green house gases are actually life enabling, for without them, heat could escape back into space and the earth average temperature would be lot colder. The reason behind our worries is that the certain human activities are now disturbing the natural balance between the processed that release carbon dioxide into atmosphere and the process which remove it.

Causes of Global Warming

Scientists have spent decades figuring out what is causing global warming. They've looked at the natural cycles and events that are known to influence climate. But the amount and pattern of warming that's been measured can't be explained by these factors alone. The only way to explain the pattern is to

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include the effect of greenhouse gases (GHGs) emitted by humans.

One of the first things scientists learned is that there are several greenhouse gases responsible for warming, and humans emit them in a variety of ways. Most come from the combustion of fossil fuels in cars, factories and electricity production. The gas responsible for the most warming is carbon dioxide, also called CO₂. Other contributors include methane released from landfills and agriculture (especially from the digestive systems of grazing animals), nitrous oxide from fertilizers, gases used for refrigeration and industrial processes, and the loss of forests that would otherwise store CO₂.

Effects of Global Warming

Some Impacts from Increasing Temperatures are Already Happening

1. Ice is melting worldwide, especially at the Earth's poles. This includes mountain glaciers, ice sheets covering West Antarctica and Greenland, and Arctic sea ice.
2. Researcher Bill Fraser has tracked the decline of the Adeline penguins on Antarctica, where their numbers have fallen from 32,000 breeding pairs to 11,000 in 30 years.
3. Sea level rise became faster over the last century.
4. Some butterflies, foxes, and alpine plants have moved farther north or to higher, cooler areas.
5. Precipitation (rain and snowfall) has increased across the globe, on average.

Other Effects Could Happen later This Century, if Warming Continues

1. Hurricanes and other storms are likely to become stronger.
2. Species that depend on one another may become out of sync. For example, plants could bloom earlier than their pollinating insects become active.
3. Floods and droughts will become more common. Rainfall in Ethiopia, where droughts are already common, could decline by 10 percent over the next 50 years.
4. Less fresh water will be available. If the Quelccaya ice cap in Peru continues to melt at its current rate, it will be gone by 2100, leaving thousands of people who rely on it for drinking water and electricity without a source of either.

Major Effect of Global Warming on Earth

Ozone Shield Holes

The presence of ozone layer in the atmosphere is very crucial and significant for plants and animal in general and human being in particular. it provides a protective cover known as earth umbrella to the entire organism in biosphere eco system against their exposure to ultra violet solar radiation.

Rise in sea level

A change in the atmosphere raises the temperature. It causes to rise in sea level. It affects the rise in earth temperature, change in weather cycle & ozone Whole.

Forest

Forest absorbs CO₂ which otherwise float in the atmosphere adding to the green House effect. An increase of temperature in

the atmosphere will effect severally the distribution of the species. If climate change in rapid conditions may become unsuitable for tree of temperate forests to complete one or more stages of their life cycle. Thus the tree population would lose their ability to complete their life cycle.

Agriculture

- Increase in temperature will increase evaporation?
- Cultivable area will be enlarged.
- Soil water will become insufficient because of excessive evaporation & transpiration.
- Water and soil temperature will rise
- The incidence of insect pests, diseases & weeds will become higher activates of microorganism will increase.

Human Beings

Direct of global warming results in several people being killed by heat stroke of death by doming warmth & rainfall are likely to create more favorable conditions for the insects and viruses which spread diseases like malaria, dengue and filariasis.

Melts Ice Caps

The sunlight that reaches at the earth warms both the atmosphere and earth surface. The earth atmospheric system then radiates the heat as infrared radiation, watervapor and several other gases warm the earth atmosphere because they absorb and re-emit radiation.

Global Warming Solutions

The evidence that humans are causing global warming is strong, but the question of what to do about it remains controversial. Economics, sociology, and politics are all important factors in planning for the future.

Even if we stopped emitting greenhouse gases (GHGs) today, the Earth would still warm by another degree Fahrenheit or so. But what we do from today forward makes a big difference. Depending on our choices, scientists predict that the Earth could eventually warm by as little as 2.5 degrees or as much as 10 degrees Fahrenheit.

In addition to reducing the gases we emit to the atmosphere, we can also increase the amount of gases we take out of the atmosphere. Plants and trees absorb CO₂ as they grow, "sequestering" carbon naturally. Increasing forestlands and making changes to the way we farm could increase the amount of carbon we're storing.

Need of the Problem

Today we are suffering from many natural climates we have to pay large amount for it. These problems mainly related to the increase in temperature & change in climate this is due to global warming.

In developing countries population growth is a crucial element in deciding the pace of sustainable development besides the impact of development on qualities of water air & land.

Due to this global warming scenario the researcher check the attitudes of secondary school teachers regarding the global warming & their attitude should be positive because of teachers are aware from the cause effect & prevention of global warming so they can take their responsibility & help to provide

knowledge to students & help indirectly in the prevent the environment from harmful effect & reducing the temperature of earth.

Significance of the Problem

Today man is living in the world of social economic political and value crises. Added to this in recent decades the environmental crises which deal with the global Warming has made everyone in the world to think its gravity problem of Global warming like green house effect rise in sea level, melting glaciers depletion ozone layer south & this is due to increasing population urbanization shrinking of agricultural land, desertification, technological development and vanishing of forest its directly effects on the human life.

Statement of the Problem

“A study of attitude regarding Global Warming among secondary School teachers of Aurangabad City.”

Operational Definitions

Global Warming

The increase in temperature of the earth's atmosphere that is cause by the increase of particular gases.

Attitude

The way that a person or some persons think and feel about any particular subject or something.

Secondary School

Place where education is given to who have had primary education.

Secondary School Teachers

Aurangabad City- it is the capital and historical place of Marathwada for Historical Monuments.

Objectives

To Study the attitude regarding Global Warming among Secondary School teachers under following factors

- i) Causes of Global Warming
- ii) Effects of Global Warming
- iii) Prevention of Global Warming

2) To study the level of attitude regarding global warming among English Medium & Urdu Medium Secondary School Teachers.

3) To compare the level of attitude regarding global Warming among English Medium & Urdu Medium Secondary School Teachers.

Null Hypothesis

1. The attitude among secondary School teachers regarding the causes of global warming is favorable.
2. The attitude among secondary school teachers regarding effects of Global Warming is Favorable.
3. The attitude among secondary school teachers regarding precaution of Global Warming is Favorable.
4. The attitude among secondary school teachers regarding Global Warming is Average.

5. There is no significant difference between the level of attitude of English medium & Urdu Medium among Secondary School Teachers.

Scope of the Research

Area- Present Study is concerned with Aurangabad City.

Content-Present Study related with investigating the cause, effect, precaution regarding Global Warming among secondary school teachers of Aurangabad city.

Unit- Present study concern with English medium&Urdu Medium Secondary School Teachers.

Limitations

Area- Present Study is Restricted Aurangabad City.

Content-Present Study is limited only with the f attitude of cause, effect, precaution regarding Global Warming.

Unit- Present study concern with English medium &Urdu Medium Secondary School Teachers.

Time Limit-Time Duration of present study is limited to Academic year.

Major Finding

1. The secondary school teacher's attitude regard cause of Global Warming is favorable.
2. The secondary school teacher's of attitude regarding effect of global warming is favorable.
3. The secondary school teacher's of attitude regarding precaution of global warming is favorable.
4. The attitude regarding Global Warming among secondary School teachers is favorable.
5. The attitude among secondary school teachers of English medium Urdu medium regarding Global Warming insignificant.

Testing of Hypothesis

HYPOTHESIS 01

The attitude among secondary school teachers regarding the causes of global warming is favorable (mean= 45.58) attitude of range is 45-52.Hence the H1 is accepted.

HYPOTHESIS 02

- a. “The attitude among secondary school teachers regarding effect of global warming is favorable”.
- b. The mean attitude regarding effect is 43.58 which lie in the range of 43-52 shows that the attitude of secondary school teachers is favorable.Hence the H2 is accepted.

HYPOTHESIS 03

“The attitude among secondary school teachers regarding precaution of global warming is favorable.” The mean of attitude regarding precaution of global warming is 70.84 as the attitude of secondary school teachers is favorable.Hence the H3 is accepted.

HYPOTHESIS 04

- a. "The attitude among secondary school teachers regarding global warming is Average."
- b. The mean of attitude toward global warming among secondary school teachers is 150.25 which is the range is 117-152 shows that the attitude of secondary school teachers is average. Hence the H4 is accepted.

Suggestions

The following Suggestions are given to Overcome the global Warming Problems

- The owner of the big hostel and grocery shop should come forward to change poly bags and use papers and cloth bags.
- Regular awareness campaigns should be conducted by voluntary organizations to create awareness about global warming
- Television channels and cable operators should come forward to present serial stressing of the need for protection from global warming and suggest measures through the channel during the important programmes
- The school should undertake different activities like organizing seminar symposia and debates on environmental issues
- The district authorities should quite often organize the awareness campaigns to publish the importance of forestation and green house gasses

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