

CRISIS AND CHANGE IN THE CLIMATE

Manju Saini

Research scholar, Department of Environmental Science, Maharaja Ganga Singh University, Bikaner
E-mail: manjusaini18154@gmail.com

ABSTRACT

Driven mostly by human activities including burning fossil fuels, deforestation, and industrial processes, climate change has grown to be a major worldwide problem. Rising sea levels, melting of the polar ice caps, and a worldwide temperature rise define it. Extreme weather events become more frequent. Apart from influencing ecosystems and biodiversity, this catastrophe seriously compromises human livelihoods, economy, and security. Human actions contaminate soil, water, and air, therefore compromising the health of the whole food chain. As worries about extreme weather patterns and climate change rise, the discipline of environmental sociology is expanding. Everyone is at risk; environmental racism—that is, the burden of pollution on the earth borne by underdeveloped and impoverished areas—bears on everyone. The effects of climate change include public health, food and water security, and migration, therefore raising the possibility of world resource-related conflicts. In response to this catastrophe, global cooperation including the Paris Agreement seeks to lower greenhouse gas emissions and support sustainable practices so lessening the effect of climate change. Still, the execution of these programs has presented political, financial, and social difficulties. Dealing with the current issue depends critically on adaptation and resilience methods including the acceptance of renewable energy, climate-smart agriculture and infrastructure development. Greater than ever, the urgency of tackling climate change calls for a worldwide team to pursue sustainable development and lower the environmental impact of human activities thereby averting the worst possible outcomes of this problem.

Keywords: Pollution, Climate change, Greater burden, Dynamic, Environmental racism.

INTRODUCTION

One of the fundamental aspects of life is that the existence of an environment contributes to the development of life; in places where there is an environment, there are animals. Nature is essential to the survival of humans. The consequences of even relatively little environmental deterioration can have a huge impact on human population. Humans continue to exploit nature for their own self-serving aims, despite the fact that they are aware of these problems. One of the most important factors that contributes to human existence is the environment.

An intimate connection exists between environmental sociology and human ecology, which investigates the dynamic relationship that exists between persons and the natural and manmade environments in which they find themselves. One of the most essential aspects of environmental sociology is the idea of carrying capacity, which involves determining the maximum number of living things that can be maintained within a particular area.

Soil

Burning crops on the ground and excessive pesticide application degrade the land greatly; the

negative consequences of which people and animals today are suffering. Just two of the several forms of soil pollution are soil erosion and desertification. Furthermore, all the toxins and chemicals damaging our water systems can also seep into soil and have comparable consequences. One demand the population explosion makes on the earth is more food to be produced; so, the so-called "green revolution" in the 1960s saw chemists and world aid organisations working together to offer modern farming practices replete with pesticides to underdeveloped countries.

Garbage

Developed countries generate most of the garbage. In underdeveloped nations, consumption of items as much as possible is valued, hence not every item is wrapped there.

For most core and industrialising countries, garbage creation and control are main concerns; it is fast turning out to be one of the most important environmental problems the United States faces. Multiply your gadgets by a few million, consider the many harmful chemicals they contain, and then picture either burying those chemicals in the earth or setting them on fire. People in the United States buy items, utilise them, and then toss them away. Polystyrene Furthermore, many of the

plastics we daily use do not degrade organically. Burn them and carcinogens fly into the air. Their inappropriate burning fuels smog and adds to air pollution. They don't break down when dumped in landfills.

Air

China's rapidly expanding industries and quickly developing economy have resulted in famously bad air quality. Cyclists and walkers don air filter masks for personal protection. Beijing residents are dubious about the accuracy of daily pollution assessment published by the government. They are measuring their own emissions in the hope that precise data would inspire further actions.

Depending on where you live, the level of air pollution differs from local to local; hence, you might be more personally affected than you would think. This question can sound somewhat unusual or like a daily concern. Along with oxygen most of the time, we are also breathing in soot, hydrocarbons, carbon, nitrogen and Sulphur oxides. Many of us take our surroundings for granted without thinking about how daily choices compound to create a long-term global issue. Like the effects of smoking cigarettes accumulating over time leading to more chronic diseases, air pollution gathers inside the body.

Toxic and Radioactive waste

One sort of air pollution is radioactive. We accumulate nuclear waste, which we must then monitor long term and finally figure out how to dispose of the poisonous waste products without endangering the environment or endangering future generations. It is our duty to make the resources that are now at hand accessible in the proper form so that they may be used by next generations. Additionally, entering the food chain are radiations. wreaking harm from the bottom all the way up. Once more, the cost paid for inexpensive electricity is more than what shown on our electric statement.

Environmental Racism

Environmental racism is the practice of minority group neighbourhoods burdened with an excessive number of hazards including toxic waste facilities waste dumps and other sources of environmental pollution and foul odours lowering the quality of life by people of colour and members of other races. Sociologist Robert Bullard conducted a 20-year comparative study under which he found "race to be more important than social economic status in

predicting the location of the nation's commercial hazardous waste facilities." Examining how environmental racism is there address in the long-term cleanup of the environmental disasters caused by hurricane Katrina, sociologists under the project found. Why is environmental racism still a reality? The basic reason is that people who have means may bring public awareness, funds, and attention to guarantee that their areas are clean.

Environment is not only vital for human life but also for every other living being on planet since it directly and indirectly affects their life. Should the surroundings exist, then there is existence. History gives us strong proof of many civilisations and cultures disappearing because of favourable surroundings. Environment covers everything influencing the life of other living entities in human existence.

Man has not yet come to know every marvel of the environment, or rather he has not yet realised the significance of surroundings in the genuine sense. Though he is damaging it for his selfishness, environment is still a secret treasure for him that he cannot seem to let go of. He is playing blindfold with the knowledge that environmental contamination directly causes all living entities to be destroyed. One prominent illustration of this is the destruction that June 2023 Himachal experienced. A great loss to the ecology were trees chopped in lakhs. Nature suffered tremendously, and it returned the same loss to man. People's growing needs and irresponsibility as well as their population increase are causing great damage to the surroundings. Every nation in the world is now looking for strategies to lower environmental pollution and population growth. However, since very few people are considering this topic, this work seems to be somewhat challenging. People damaging the environment more and more are present. Under such circumstances, environmental preservation is a somewhat challenging chore.

Another nation where environmental preservation is under attempt is India. One of the few nations in the world whose constitution specifically addresses environment is India. India has developed strong environmental regulations, and our policies reflect India's environmental protection initiative. The state of the environment in India is still really grave notwithstanding all the environmental legislation. Industrial trash lines rivers, streams, and drains. The Yamuna river in Delhi is now a drain. The

constantly rising erosion in a forest area is plainly shown in the form of floods annually in Bihar and Mumbai. Examining the way environmental regulations are carried out in India, one would find that their significance is not well appreciated. In this regard, the Environment Policy 2004 has to be really followed. Furthermore, important is making sure the general people participate in the initiatives aiming at environmental preservation. Environmental preservation has also been much aided by the court. Thanks to its efforts, clean surroundings has grown to be a basic right's essential component. A glimpse of the admirable efforts of the court is closure and relocation of polluting units in Delhi, use of CNG, protection of the Taj Mahal from pollution, making environment a compulsory part of the educational curriculum and publicising the relevance of environment through the media, etc.

Public interest litigation has inspired judges, NGOs, civil society, and common people to help to safeguard the environment. Their efforts have paid off; now, environmental protection is a key concern for governments and policy makers, and they have grown really serious about it.

Environmental Protection: A Moral Responsibility

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