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Pollution Control through Biotic Factors is Our Need

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ABSTRACT: This paper deals with the Pollution control through Biotic factors. Our daily life is very precious. Each and every organism try to make it highly cheerful. When we are coming in the contact of of biosphere then we fill it somewhat unfit. Then our confidence, energy, freshness become loose, Due to that, question arises in our mind why it happens. When we find the reasons of these happenings, we got so many opinions, answers from the living biota. We are unfit in the biosphere due to some disturbances in the atmosphere. We know well that if any factor is unfit for the living organisms then it leads to the pollution. Around biota different types of pollutions are found for ex. Air pollution, Water pollution, Soil pollution, Noise pollution, Social pollution, Criminal pollution etc. All these pollutions are very hazardous to the biota. It should be noted that human being is an animal which is very selfish and have a nature to earn lot of things which are essential for richness, physical needs. and damage the surrounding. which leads to the pollution. Hence it should be managed carefully. To manage this pollution we want to contribute all the biota i.e. plants animals, microorganisms etc. When all these factors participate very actively in the management of pollution then it become healthy atmosphere for healthy life.

KEYWORDS: Atmosphere, pollution, biota, hazardous, Biosphere.

I.INTRODUCTION

Environment is a broad, concept including all the elements hence it may be confusing. Biotic and a biotic organisms are necessary for the development, growth, destruction of living organisms by natural processes. Such position of organisms is known as environment. Environmental study is the conservation and management of living and nonliving organisms. Environmental components like air, water, soli are mixed up by other elements. Therefore physical, chemical, biotic properties are changing in these components. It is harmful to living organisms, such processes and effects are known as pollution. The elements which causes pollution are pollutants. Pollutants are of non degradable and biodegradable types. The basic needs are soil, water, air are basic needs for living organisms.

II. OBSERVATION AND DISCUSSION

Pollution is the result of adverse human activities. It is very dangerous to all of us. Different types of pollutions are studied by researcher.

01.Air pollution – Air pollution is of two type, natural pollution-due to the flood, earthquake volcanic etc. Man made pollutions are due to automobiles, industrialization, fertilizers etc. The atmosphere is an insulating blanket around the earth. Normal composition of clean air is in percentage as Nitrogen-78.084,Oxygen-20.9476,Argon-0.934,Carbon dioxide-0.0314,Methane-0.0002,Hydrogen-0.00005 and other gaseous minute. Unfortunately the concentration level of different gases show variation due to pollution. Moreover ,there are also added number of harmful gases to the atmosphere. These affect air quality and make it unfit for living organisms. In our country data on air quality have been collected by NEERI due to industrialization, urbanization. The principal pollutants are emitted like carbon compound ,sulphur compound, nitrogen oxides, ozone, fluorocarbon, hydrocarbon, metals photochemical products, particulate matter. Control of air pollution- we have seen that the main sources of air pollutions are motor, industries, fossil fuel etc. To check pollutant emission from vehicular exhaust, to control evaporation from fuel tank and carburetor, use of filters, control through law. Due to increase in the concentration of carbon dioxide increase the temperature and lead to global warming.

02.Soil and Water pollution- The addition of any substance to water or changing of waters physical or chemical properties in any way which interfere with its use for legitimate purposes. Water contains impurities of various kinds dissolved as well as suspended. Polluted water is unfit for bath, drinking, washing and for other purposes. The chief

sources of water pollution are sewage waste, industrial effluents, agricultural discharge, thermal power etc. Pollutants enter in our water body and causes pollution. Yamuna, Ganga rivers are polluted. Water pollution can be controlled by stabilization of ecosystem, reutilization and recycling of waste, removal of pollutants, sewage treatment etc.

03.Solid waste pollution – The solid waste includes glass containers as bottles, crockeries, plastics, polythene, packing material and thrown garbage's. These pile up at public places and cause obstructions in daily life. Beside these electronic particles, e-particles that are town as junc. Solid wastes are causing much problem in developed countries as U.S.A. and European countries. To solve their problems technologies have been developed to recycle most of the solid waste items. To control solid waste pollution methods are recycling, burning of wastes.

04.Radioactive pollution _ Radioactive substances are most toxic. As compare to organic poisons, injurious effects of radionuclide are exceedingly high. Nuclear war material, test explosions, power plants, research are the main source of radioactive pollutions that could threaten our environmental security. Radioactive pollution destruct the population of sparrow.

05.Noise pollution – Human ear is constantly being assailed by man made sounds from all sides. What do aero planes, trains, cars, drills, radio and television sets. They all produce noise. Noise has become a permanent part of life. After some limit noise become harmful to our body and mind. Hence noise is wrong sound in the wrong once at the wrong time. We must know the sources of noise pollution, the main contributors of noise are factories, industries, transportations, community and religious activities. Indians are noisy peoples, every centimeter and occasion is manifested in a noisy manner- be it a religious, occasion, election, or a family celebration. There are two basic properties of sounds loudness which is measured in decibel and frequency which is number of vibrations per seconds. WHO has fixed 45Db as the safe noise for city and beyond 80dB causes pollution. Noise pollution affect the hearing faculty, interference with speech communications, headache, loss of working efficiency. Noise pollution can be controlled by to make silencing devices in machines, automobiles. Covering room walls with sound absorber. Worker should wear ear muff or ear plugs. Noise pollution can be controlled through law and education.

III. CONCLUSION

The pollution on earth increases day by day therefore it should be controlled by applying various methods. First of all there should be awareness through education of peoples for conservation of environment, about the pollutants. Pollution can be controlled by microorganisms, because microorganisms are nature cleaner. Microorganisms like bacteria and different food chain members can control the pollution. We can control the noise pollution through automobiles by plantations, due to that we plantation plants on road sides, for ex. Neem tree, Banyan tree which are sound absorber. Plants maintain the supply of oxygen and fresh air that we breath.

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