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Global Environmental Health and Sustainable Development

Chief Editor
Dr. R. V. Bhole

'Ravichandram' Survey No-101/1, Plot
No-23, Mundada Nagar, Jalgaon

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Dr Suresh S Bakare
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Positive Environmental Effects of Covid-19 Pandemic.

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Abstract-

On late December 2019 in Woohan city, in China an unusual pneumonia was noticed with a link to an animal market that sells poultry and other animals to the public. This event was soon reported to the World Health Organization (WHO). The casual microorganism had been identified as a novel coronavirus that was named Covid-19. Covid-19 soon spread to other parts of the World. The World Health Organization has declared the situation a Pandemic. The review article shows that the lockdown has induced numerous positive impacts on the environment also clearly benefited to other sectors which must be considered as the spotlight for the permanent revival of the global ecosystem.

Keywords – Covid-19 benefits, Environment, Air Pollution, Noise, Water, Energy, Wildlife.

Introduction-

Coronavirus disease (Covid-19) is an infectious disease caused by a recently identified coronavirus. Most people infected with the Covid-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Older people and those with underlying medical co-morbidity like cardiovascular disease, diabetes, chronic respiratory diseases and cancer are more likely to develop serious illness. During this pandemic major International and domestic flight have been cancelled, transport system including railway services bus, truck and vehicle transport have been suspended, Except good-trains and emergency vehicles. Educational, Commercial sport and Spiritual institutions were closed, social gathering were restricted and people wear advised to stay at home. Manufacturing Industries, Power plant stop their production except those related to essential services. This induced a sharp drop in industrial, social and economic activities. Nonetheless Lockdown also induced a strong reduction in air and water pollution.

Impact of Covid-19 lockdown on Environment-

Air Quality- Before the start of Covid-19 pandemic, the air around us had been deemed very toxic to breathe in due to amount of greenhouse gases that had been emitted over the century. The Earth faced rising temperature which in terms lead to the melting of glaciers and rising sea levels. Environmental degradation was happening fast due to the depletion of resources. After the lockdown was put in place in many countries, there was lesser traveling done by people, whether it be by their own cars or by trains and flights. An industries were closed down and not allow to functions. This in turn led to the pollution in the air dropping significantly, as there was a mark decline in nitrous oxide emission.

Water Quality- Since there were no boats, whether they be fishing or pleasure ones, playing on the rivers and waterways, the water has cleaned up. The water become so clear that the fish could be seen and there was better water flow. No doubts, because of the lesser human footfall even the oceans are recovering and marine life is thriving. Because of reduction in both traffic, sediments have settled resulting in the reduction in turbidity. Banning tourist during lockdown has also reduced water pollutants released by tourist. This clear water has enabled other creatures such as fish, dolphins and swans to come back to these canals and waterways. The other advantages are nationwide lockdown is the improvement of the water quality in some Indian rivers which are normally exposed to polluted industrial and human effluents.

Reduction of Noise Pollution-

Noise pollution is generally elevated sound levels that may leads to adverse effect in humans or other living organisms. According to World Health Organization, sound levels less than 70 dB are not damaging to living organism, regardless of how long our consistent the exposure is. Exposure are far more than 8 hours too constant noise beyond 85 dB may be hazardous. If you work for 8 hours daily in close proximity to a busy road or highway, you are very likely exposed to traffic noise pollution around 85 dB. Noise generated from different human activities (e.g. machines, construction work) which may lead to adverse effect in human and other living organisms. However the quarantine and lockdown measures mandate that, People stay at home and reduced economic activities and communications worldwide, which ultimately reduced noise level in most cities. As a result, city dwellers are now enjoying the chirping of birds, which usually range from 40 to 50 dB. Moreover due to travel restriction vehicular movement and the number of flights have drastically reduced around the world which have ultimately reduced the level of noise pollution.

Effect on Wildlife –

Again where fish is concern, the lockdown has seen a decline in fishing which means that the fish biomass will increase after overfishing almost depleted, apart from that animals have been spotted moving

about freely where once they would not dare to go. Even turtles has been spotted returning to areas they once awarded to lay their eggs, all due to the lack of human interference.

Effect on Vegetation- Plants are growing better because there is cleaner air, water and because of again there is no human interference. They grow and produce more coverage and oxygen.

Effect on Energy - A substantial decline in energy was observed in countries that followed complete or partial lockdown. For example in India where lockdown was implemented quite stringently, peak power demand dropped to 134.89 gigawatts in 2020 as compared to 168.62 gigawatts in 2019. A similar trend was also observed for coal consumption of both fossil fuels and electrical energy has been dramatically reduced in the industry, public (offices/oices), education sectors and private organizations.

Conclusion-

Covid-19 has imparted many positive changes in a chemical composition of the environmental worldwide. Covid-19 induced lockdown have resulted in reduction air pollution, water pollution. There is fear that once people starts traveling again or go back to doing what they have been doing, all the positive impact will be disappear. Covid-19 has created enormous positive effects on environment which must be considered as spotlights for better management of the environment in the future.

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