The health authorities of China noticed a strange pneumonia case in a public hospital in Wuhan city, the economic hub of Hubei province in December, 2019. The experts linked this unknown virus with an animal selling market in Wuhan that deals in selling poultry, fish, and other wild animals [1]. In January, the Chinese authorities formally informed the World Health Organization (WHO) about this outbreak in Wuhan city of Hubei province, China, which was the epicenter of the newly emerged virus. After thoroughly looking into the matter, the World Health Organization (WHO) identified the microorganism as a newly emerged coronavirus virus and named it as COVID-19 on January 26. WHO also confirmed that recently identified Coronavirus belongs to the family of SARS and MERS [2]. The Coronavirus went through sequencing of Genome and reverse transcription-polymerase chain reaction testing. The research and development team of WHO initiated the efforts for fast diagnoses, therapies, and vaccine development programs. As a result, a vaccine candidate was sent for initial laboratory testing [3]. On January 30, 2020, the WHO declared a global health emergency due to an increasing number of cases within and outside China [4]. The appearance of COVID-19 resulted in enormous challenges for the public health security of the world [5]. Therefore, the WHO declared COVID-19 as a global pandemic on March 11, 2020. The World Health Organization (WHO) directed governments and policymakers to take quick and aggressive actions for...
facing against this pandemic [6]. As we are writing this study, the confirmed cases of COVID-19 have been recorded 45,921,698, while 1,193,909 have died and 33,252,218 have been recovered. The outbreak of COVID-19 has already spread in about 216 countries or territories [7].

Impact of Economic Slowdown on the Environment

The Coronavirus outbreak has hindered global public health due to the increasing number of infections and deaths in more than 200 countries around the globe. It has also excessively challenged the economic growth of the world due to ceasing economic activities globally [8]. COVID-19 has forced people to stay at homes to reduce virus transmission, which resulted in job losses and shutting down businesses. According to a report of IMF, the global economy will face a recession in 2020 by dropping growth rate at 3% due to COVID-19 [9]. The COVID-19 pandemic troubles economic development due to the increasing uncertainties of capital and financial markets [10].

Moreover, for reducing the spread of the epidemic, the governments of almost all affected countries have restricted movements of people, transportation services, and all other economic activities [11]. Various studies have forecasted that the effects of COVID-19 pandemic on economic development will outweigh the economic growth due to the increasing uncertainties of capital and financial markets [10]. The COVID-19 pandemic troubles economic development due to the increasing uncertainties of capital and financial markets [10].

The shutdown of the industrial and transportation sectors also dropped the carbon emissions, as carbon emissions in New York City have been dropped by 50% as compared to the last year due to COVID-19 measures taken by the government. According to the statistics of China, there was a 25% decline in emissions due to the cease of all economic activities. The statistics of Ecology and Environment ministry of China shows that as compared to the last year, the amount of good quality air is estimated at 11.4% in about 330 cities in China. Likewise, many other territories of Europe, such as Italy, Spain, Germany, and the UK have shown a reduction of nitrogen oxide emissions [20]. Another positive environmental aspect of COVID-2019 is that the water of Venice's canal in Italy has been seen cleaner than the past. It has become possible due to the absence of tourists in the region due to the pandemic. Moreover, the reduction of coal consumption has also contributed to drop the airborne pollutants such as CO, CO2, and NO [21]. Although these changes have a significantly positive impact on environmental quality, but they have severely threatened the sustenance of a vast number of people. Moreover, these ecological changes are temporary due to the current lockdowns in the world. So the policymakers should find permanent ways to find the long-term solution of environmental pollution [22].

Impact of Medical and Domestic Wastes on the Environment

Due to the COVID-19 outbreak, people take precautionary measures such as using gloves, masks, and hand sanitizers, which frequently generate a massive quantity of medical trash in the environment [19]. According to estimation, the residents of Wuhu city, the epicenter of COVID-19, generated 200 tons of medical waste in a single day on February 24. This quantity of trash is four times bigger than the capacity of a dedicated facility to incinerate the garbage daily [23]. Likewise, the USA and many other countries are also generating a massive quantity of medical trash every day. Moreover, due to the quarantine policy, many consumers choose online shopping. As a result, the domestic waste of consumers has also substantially increased [24]. The governments all over the world should find a permanent solution for waste management; otherwise, it could lead to severe problems. In the meantime, every person must follow the rules regarding discarding medical waste. Millions of people all around the world use gloves, masks, and hand sanitizers, and it has an enormous impact on the natural habitat on the land as well as seas. It could lead to severe consequences for animals, if they mistakenly eat this trash as food [6].
Conclusion

The study aimed to review the overall environmental impacts of the COVID-19 outbreak. The positive and negative effects of the Coronavirus outbreak have been highlighted. The economic slowdown positively affects the environment by improving the quality of air, but this change is temporary. All the countries will resume their economic activities when this pandemic ends, then once again, the hazardous emissions will hit the environment. So the policymakers should focus on significant structural changes for a long-term decline of pollutants. Moreover, waste management is essential during the days of the pandemic situation. Medical waste and domestic waste should be treated differently. All medical wastes should be disposed of separately to minimize the effects of the pandemic. Lastly, the study concludes that COVID-19 affects the environment both positively and negatively in the short-run. But in the long-run, it can negatively affect the environment, if sufficient and timely measures are not taken by the policy-makers.

Conflict of Interest

The authors declare no conflict of interest.

References


7. STONE M. Carbon emissions are falling sharply due to coronavirus. But not for long, n.d.


20. STONE M. Carbon emissions are falling sharply due to coronavirus. But not for long, n.d.


