

## Effects of COVID-19 on Climate & Global Warming

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### DEAR EDITOR

Through the columns of your esteemed journal 'Journal of Climatology & Weather Forecasting', I would like to share my views on the frequent climate change and reduced global warming due to the pandemic situation. The frightful lockdowns for the prevention of novel corona virus proved not only helpful in controlling the virus but also resulted in reduced global warming that ultimately leads to rapid climate change. In just few months everyone can notice the sudden change in the environment, reduced pollution and improved quality of air and water bodies as well.

Few months back it seems impossible to control the rapidly increase pollution but due to the frequent shut down of the human activities the nature is blooming again and also the ozone layer is healing. The sky is clearer, river waste is alleviated. Due to this pandemic, industrial work/manufacturing of products is reduced and therefore no more waste is disposed off in the rivers and CO<sub>2</sub> emission is reduced. In India, people shared pictures of the Himalayas that are concealed by the smog. To track and understand the sudden climate change in the environment, satellites and sensors that are previously used became essential to monitor the climate change.

Everyday human activities create infinite vibrations/movements in the ground. At present, reduction in the movements has been observed using seismometers close to or inside urban areas. The less traffic congestion also proved helpful in reducing the CO<sub>2</sub> emission. Global cities including New York, Delhi and many

others, during the lockdown, experienced reduction of 25% to 60% fine particulate matter which is known as PM2.5, according to IQAir. In Los Angeles, as per the World Health Organization's air quality guidelines, there is longest stretch of clean air recorded.

The need of the current scenario is to maintain the control over the pollution and increasing temperature and more efforts are required than the ones it took to bring the globe to a temporary cease in this pandemic situation. Industrial sector will have to be sustainable and make green creative plans that would be economic and ecofriendly. Governments were spending a lot to control the disastrous effects of the increasing pollution and global warming. None of the policy yet worked, but the sudden lockdown and prohibition on human activities due to corona virus make it happen and the mother nature is blooming again. During this corona virus crisis, the earth healed itself but now it is necessary for human beings to adopt a new life style and work on sustainable development to maintain the planet. Otherwise, the consequences of the rapidly increasing pollution and global warming will be dreadful that will result in sudden climate change, irregular monsoon events, thunderstorms, earthquakes, landslides, floods and other natural disasters.

Undoubtedly, novel corona virus is fatal for human life especially those having weak immune system but if no serious measures would be taken to control the rapidly increasing pollution and global warming then the situation would be more horrible and dreadful and the survival becomes back breaking.

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