

# Editorial Note on Impact of COVID-19 on Air Quality

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## Editorial Note

Across the nation lockdown because of the pandemic has prompted an extreme decrease of NO<sub>2</sub> discharges and diminished air contamination levels. It's significant this is kept up considerably after the lockdown lifts. In the midst of the overwhelming COVID-19 pandemic, an uncommon positive has been the noteworthy worldwide decline in air contamination levels. Basically, specialists have estimated nitrogen dioxide (NO<sub>2</sub>), one of the six significant air poisons (notwithstanding particulate issue, carbon monoxide, sulfur dioxide, ground-level ozone, and lead). NO<sub>2</sub> has, as most different gases, normal and human sources.

Characteristic sources incorporate lightning, seas, and volcanoes. Be that as it may, in urban locales, regular sources of NO<sub>2</sub> represent a little part of the all-out NO<sub>2</sub> levels; as indicated by a 2005 report by Australia's Department of the Environment and Heritage; normal sources of NO<sub>2</sub> just record for 1 percent of by and large NO<sub>2</sub> levels in urban communities. Human action is as a rule answerable for NO<sub>2</sub> emanations in urban districts, with street transport being the main source. Planes, power plants and ships, all of which consume petroleum products, are likewise huge human sources of NO<sub>2</sub>. Given this present, it's obvious that during the severe worldwide lockdowns,

NO<sub>2</sub> levels have dropped altogether in urban territories, particularly in India's thickly populated urban communities.

Satellite symbolism from the European Space Agency's Copernicus Sentinel 5P satellite measure NO<sub>2</sub> levels comprehensively. These estimations precisely reflect emanations sources, in light of the fact that dissimilar to different gases that can travel a critical good ways from where they're radiated, NO<sub>2</sub> has a short life expectancy and kicks the bucket before it can move far. At the end of the day, if the Sentinel 5P satellite catches a hotspot of NO<sub>2</sub> over Delhi, it's almost certain it was transmitted from inside Delhi's region. Satellite symbolism is, in this way, an exceptionally dependable instrument for estimating NO<sub>2</sub> emissions, particularly if information with significant levels of cloud inclusion is prohibited.

The worldwide abatements in NO<sub>2</sub> levels were first found in China, where levels dove significantly following the exacting isolate measures implemented in late January. As countries in Europe and North America followed China's lead in late February and March, comparative patterns have been watched all around. India's across the nation lockdown, specifically, has significantly affected air contamination levels. With residents isolated at home, street transportation and force plant activities have gone to a crushing stop, and contamination levels in all over the nation, particularly in normally smoggy urban communities, have been observed to go down gradually.

**How to cite this article:** Navneet Kumar. "Editorial Note on Impact of COVID-19 on Air Quality." *J Environ Anal Toxicol* 10:6 (2020) 1-1. DOI: 10.24105/2161-0525.10.616

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Received 20 July, 2020; Accepted 25 July, 2020; Published 31 July, 2020