

# CERCA Weekly Newsletter

June 28, 2019

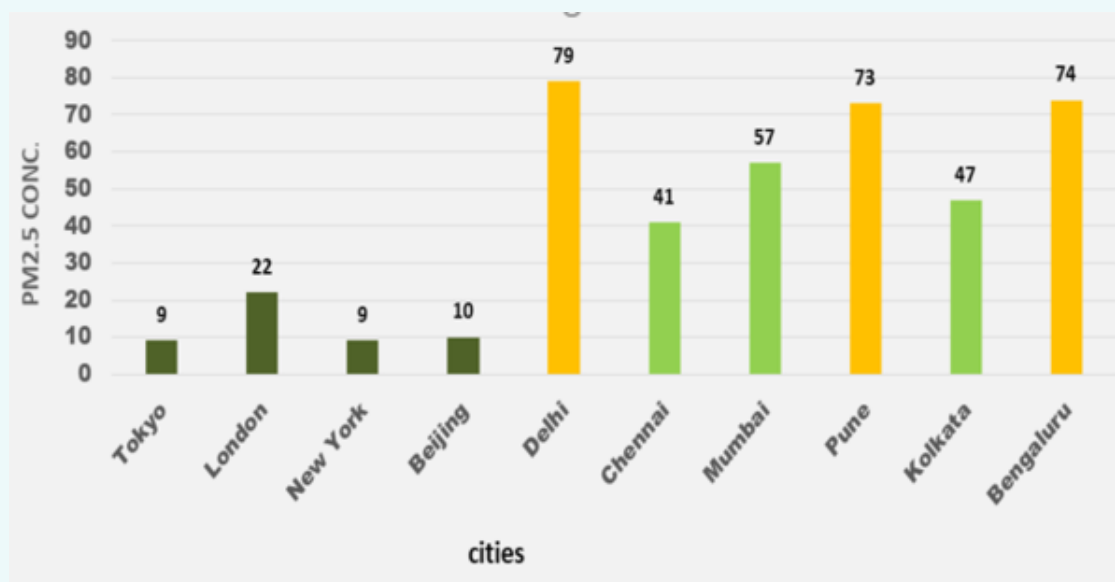
Centre of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi

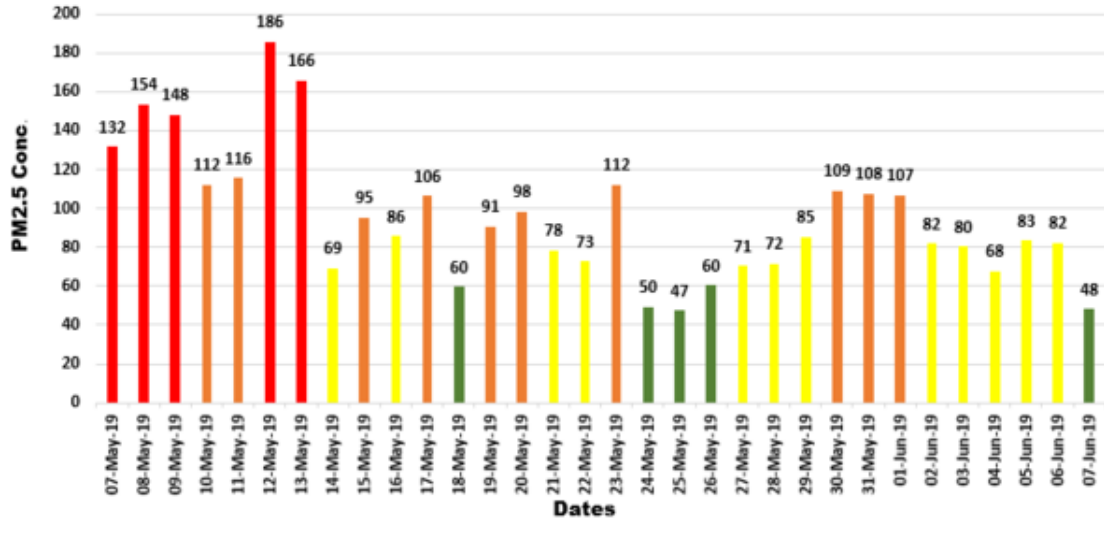


## Air Quality in different cities



June 28, 2019, 11:00-12:00 IST (Hourly Average)  
Data Source: Berkeley Earth

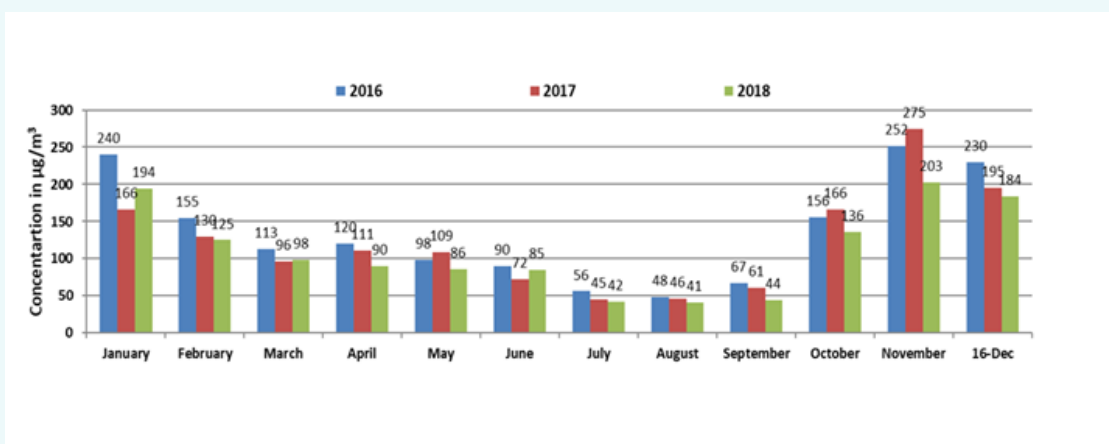
## Delhi air quality for last 30 days



Average PM2.5 Air Quality for 10 stations in Delhi. Delhi has seen air quality days.

Data Source: CPCB

## Delhi long term air quality trend



About 18 % decrease in PM2.5 levels in October, about 26 % in November and about 6 % in December 2018 in comparison to corresponding months in 2017 have been observed.

## Air quality health impacts

| Air quality         | AQI Category (range) | PM2.5 24-hr (range) | Likely Health Impacts                                                                                                                                                                         |
|---------------------|----------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Good                | 0-50                 | 0-30                | Minimal Impact                                                                                                                                                                                |
| Satisfactory        | 51-100               | 31-60               | May cause minor breathing discomfort to sensitive people                                                                                                                                      |
| Moderately polluted | 101-200              | 61-90               | May cause breathing discomfort to the people with lung disease such as asthma and discomfort to people with heart disease, children and older adults                                          |
| Poor                | 201-300              | 91-120              | May cause breathing discomfort to people on prolonged exposure and discomfort to people with heart disease with short exposure                                                                |
| Very Poor           | 301-400              | 121-250             | May cause respiratory illness to the people on prolonged exposure. Effect may be more pronounced in people with lung and heart diseases                                                       |
| Severe              | 401-500              | 250+                | May cause respiratory effects even on healthy people and serious health impacts on people with lung/heart diseases. The health impacts may be experienced even during light physical activity |

## Thought Leadership

### Deadly air pollution

<https://www.thefinancialexpress.com.bd/editorial/deadly-air-pollution-1561476624>

Source: *The Financial Express*

## New Measures and Initiatives

### CERCA-IIT Delhi organizes workshop on air pollution, Experts gather to discuss the worsening air quality in Delhi

The Centre of Excellence for Research on Clean Air (CERCA), IIT Delhi in collaboration with the Embassy of the United States of America organized a workshop to highlight the problem of ever-increasing air pollution in Delhi.

<https://www.jagranjosh.com/news/iit-delhi-cerca-organises-workshop-on-air-pollution-150069>

Source: *Jagran Josh*

### UNDP team tours city to address air pollution issue

A United Nations Development Program (UNDP) team on Wednesday visited various parts of Amritsar city as part of a team to assess the air pollution levels to enable a future action program to address the issue.

[https://www.business-standard.com/article/news-ani/amritsar-undp-team-tours-city-to-address-air-pollution-issue-119062600928\\_1.html](https://www.business-standard.com/article/news-ani/amritsar-undp-team-tours-city-to-address-air-pollution-issue-119062600928_1.html)

Source: *Business Standard*

## Health Impact

### **Air pollution in Malaysia forces 400 school closures, sickens more than 100 children**

More than 400 schools in Malaysia have closed this week after air pollution caused vomiting in dozens of students, authorities said.

<https://edition.cnn.com/2019/06/26/health/malaysia-pollution-schools-intl-hnk/index.html>

Source: *Edition*

### **Air pollution in India linked to increased hypertension risk in women: Study**

Exposure to higher levels of indoor air pollution in India is associated with an increased risk of hypertension among women, according to a study.

[https://www.business-standard.com/article/pti-stories/air-pollution-in-india-linked-to-increased-hypertension-risk-in-women-study-119062600688\\_1.html](https://www.business-standard.com/article/pti-stories/air-pollution-in-india-linked-to-increased-hypertension-risk-in-women-study-119062600688_1.html)

Source: *Business Standard*

## **International Developments**

### **UK has halved air pollution deaths since 1970 but must still do more**

The number of early deaths in the UK linked to breathing tiny particles of soot has more than halved in four decades because of action to curb air pollution, but researchers are warning they still pose a substantial burden on public health.

<https://www.newscientist.com/article/2207622-uk-has-halved-air-pollution-deaths-since-1970-but-must-still-do-more/>

Source: *Newscientist*

### **In legal first, court faults France over air pollution**

A court on Tuesday found the French state had failed to take sufficient steps to limit air pollution around Paris, a legal first in the country hailed by environmental campaigners as a victory for victims of dirty air.

<https://www.thehindubusinessline.com/news/variety/in-legal-first-court-faults-france-over-air-pollution/article28142279.ece>

Source: *The Hindu Businessline*

## **New Research (study) or Policy**

### **IIT Delhi-CERCA team to mount devices on 200 cluster buses to check air pollution**

Prof. Sen is working on the project under the aegis of Centre of Excellence for Research on Clean Air, which provided the Rs 5 -lakh seed money for the initial pilot. The sensor-based devices will be installed through a partnership with Delhi Integrated Multi-Modal Transit System (DIMTS)

<https://timesofindia.indiatimes.com/city/delhi/iit-team-to-mount-devices-on-200-cluster-buses-to-check-air-pollution/articleshow/69965333.cms>

Source: *Times of India*

## Air Quality Monitoring System Checking Air Pollution in Arunachal Pradesh

Arunachal Pradesh Pollution Control Board (APPCB) staff are on the job 24×7 to analyse the level of air pollution in the State and issue directives to maintain its status as 'Lungs of the Globe'.

<https://www.sentinelassam.com/news/air-quality-monitoring-system-checking-air-pollution-in-arunachal-pradesh/>

Source: *Sentinelassam*

## New Technology

### Government eyes strict emission rules to boost EVs

Government plans to make internal combustion engine vehicles unattractive by bringing in tougher measures.

<https://economictimes.indiatimes.com/industry/auto/auto-news/govt-eyes-strict-emission-rules-to-boost-evs/articleshow/69969543.cms>

Source: *Economic Times*

### BMW to launch 25 new EVs by 2023

Advancing the auto industry's move towards electric vehicles, luxury car maker BMW has announced that it 25 would launch new electrified models by 2023.

<https://economictimes.indiatimes.com/industry/auto/auto-news/bmw-to-launch-25-new-electronic-vehicles-by-2023/videoshow/69961480.cms>

Source: *Economic Times*

For more details, visit our website <http://cerca.iitd.ac.in>

## CONTACT US

### Coordinator

Prof. Sagnik Dey  
Indian Institute of Technology Delhi

Email: [cerca@iitd.ac.in](mailto:cerca@iitd.ac.in)

### Co-Coordinator

Dr. Nomesh Bolia  
Indian Institute of Technology Delhi

Phone: +91 (11) 2659 7361

Copyright © 2019 CERCA, IIT Delhi