

# INDUSTRIAL POLLUTION



NAME : SK ABDUL MOMIN

CU REG NO : 115-1115-0291-20

CU ROLL NO: 203115-21-0120

SUBJECT : ENVS PROJECT (BOTANY  
HONORS)

2020-2021



# Industrial Pollution.

With the coming of the Industrial Revolution humans were able to advance further into the 21st Century. Technology developed rapidly. Science became advanced, and the manufacturing age came into view. With all of these came one more effect, industrial pollution. Earlier industries were small factories that produced smoke as the primary pollutant.



# Industrial Pollution Fact

Industrial pollution is ~~here~~ wreaking havoc on Earth. Every nation is affected and there are people who are working tirelessly to increase awareness and advocate for change. The activities causing pollution include.

- ⊙ Burning coal
- ⊙ Burning fossil fuels like oil, natural gas and petroleum
- ⊙ Chemical solvents used in dyeing and tanning industries
- ⊙ Untreated gas and liquid waste being released into the environment
- ⊙ Improper disposal of radioactive material.



# Cause of Industrial Pollution.

1. Lack of policies to control pollution

Lack of effective policies and poor enforcement drive allowed many drive allowed many industries to bypass laws made by the pollution control board, which resulted in mass-scale pollution that affected the live of many people

2. Unplanned Industrial Growth. In most industrial townships, Unplanned growth took place growth took place wherein those companies flouted rules and norms and polluted the environment with both air and water pollution



3. Use of outdated Technologies most industries still rely on old technologies to produce prod that generate a large amount of waste. to avoid high cost and expenditure. many companies still make use of traditional technologies to produce high. end products.

4. presence of a Large Number of small Scale Industries many small scale industries and factories that don't have enough capital and rely on government grants to run their day-to-day business es often escape environment regulations and release a large number of toxic gases in the atmosphere.

5. Inefficient Waste Disposal Water pollution and soil pollution are often caused directly due to inefficiency in the disposal of waste. Long term exposure to polluted air and water causes chronic health problems, making the issue of industrial pollution into a severe one. It also lowers the air quality in surrounding areas which cause many respiratory disorders.

6. Leaching of Resources from our Natural World Industries do require a large amount of raw material to make them into finished products. This requires the extraction of minerals from beneath the earth. The extracted minerals can cause soil pollution when spilled on the earth. Leaks from vessels can cause oil spills that may prove harmful to marine life.

7. Natural Resource use low material is a must for industries. which often requires them even pulling out underground elements. One of the most common forms of leaching from natural resources is fracking for oil.





# Way to Control or Reduce Industrial pollution

## 1. Source Control

Adopting new technology, efficient training of employees for safe use and development of better technology for disposal of waste, and being more conscientious about the use of raw materials can help control industrial pollution at the source.

## 2. Recycling

Recycling as much polluted water in the industries as water in the industries as possible by increased recycling ~~by increased efforts~~ to reduce industrial pollution.

## 3. Cleaning of Resources

Organic methods should be adopted to clean the water and soil. Such as using microbes that use heavy metals and waste as feed naturally. Cooling rooms or bins need to be developed that allow industries to recycle the water they need instead of pushing it back into the natural water source it came from.

4. Industry site Selection  
Consideration of location of the sites and the potential impact on the surrounding environment can help reduce harmful consequences.

5. Proper Treatment of Industrial Waste → by developing and implementing adequate treatment facilities for handling industrial waste and proper habits can reduce pollution.

6. Rebuilding Habitats and Afforestation → Rebuilding habitats by planting more trees and plants can help give wildlife back their homes, and the trees can help purify the air with enough oxygen and act as a buffer against the environment.



## 7. Stricter Laws and Enforcement

The Environment Agency (EPA) works to correct the damage from industrial pollution. There should be more stringent rules to take action against the companies who do not follow proper protocol and more significant rewards for the companies who operate properly. It requires creating policies that prevent misuse of land.

## 8. Regular Environmental

Impact Assessments Being a responsible

Being a responsible company or industry should require regular environmental impact assessments that are reported for evaluation. If there are harmful impacts discovered during the review, necessary actions to correct the negative consequences should be developed and enforced.



# REFERENCE

google.com

Wikipedia

<https://www.shutterstock.com/search/industrial+pollution>

<https://m.indiamart.com/proddetail/industrial-pollution-control-18823517255.html>

# Acknowledgement

I would like to acknowledge Department of Biotechnology, Govt. India for the funding for DBT Star college grant, under which this presentation was conducted. I am also grateful to our principal, Dr. Indranil Kar and for his support and encouragement in implementing this presentation on importance of renewable energy source of natural origin.

I would also like to thank to our department at Botany, all our respected teachers at the department for their support.