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Project → ENVIRONMENT  
STUDIES

## **Raniganj Girls' College**

**Course Name: Environment Studies**

**Course Code: AEE101**

**Topic of the project: Air pollution in my locality**

### **A Project Report**

**Submitted by Semester-I students (Academic Year 2021-22)**

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## CERTIFICATE

This is to certify that this project titled “Air pollution in my locality” submitted by the students for the award of degree of B.A. Honours/ Program is a bonafide record of work carried out under my guidance and supervision.

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Place: Raniganj

Date: 18.03.2022



Assistant Professor, Department of Zoology

Signature of the supervisor with designation and department

# INDEX

<u>TOPIC</u>		<u>PAGE NO°</u>
1. Title of the Project	—————→	01
2. Objective	—————→	02
3. Introduction	—————→	03 - 04
4. Data Collection	—————→	05
5. Data Analysis	—————→	06
6. Data Interpretation	—————→	07
7. Conclusion	—————→	08
8. References	—————→	09
9. Acknowledgement	—————→	10

TITLE

OF THE

PROJECT

AIR POLLUTION  
AND ITS  
QUALITATIVE MEASUREMENT

# OBJECTIVE

- Our objective for doing this project is to express our disapproval of air pollution as it has been the biggest cause of global warming so far. Things like greenhouse gases and car exhaust are the most common causes for air pollution.
- Protect and enhance the quality of air resources and also protect public health and welfare while fostering a beneficial productive capacity.
- If we do not stop air pollution, the icecaps in the north pole will eventually melt and the sea level will rise, thus flooding the low lying countries. It will kill many animals like polar bears.
- Air pollution is also destroying the ozone layer and lots of animals thus we need to reduce air pollution, prevention, control and abatement of air pollution.
- Although Singapore is not causing so much air pollution, but there are countries like China and many other which produces a lot of air pollution.
- Air pollution kills an estimated seven million people worldwide every year.
- We think that by doing campaign, we can aware people of the cons of air pollution and tell them what they can do to stop air pollution.
- We can try to reduce air pollution by reduction of forest fires and smoking, use of fans instead of air conditioners, by avoiding usage of crackers, using filters for chimneys, less usage of plastic bags and there are many other ways by which we can atleast try to reduce air pollution.

# INTRODUCTION

Air pollution is the presence of substances in which the atmosphere that are harmful to the health of humans and other living beings or causes damage to the climate or to materials. There are different types of air pollutants. Such as gases (such as ammonia, carbon monoxide, sulfur dioxide, nitrous oxides, methane and chlorofluorocarbons). Particulates (both organic and inorganic) and biological molecules. Air pollution may cause diseases, allergies and even death to humans and many other living beings; it may also cause harm to other living organisms such as animals and food crops, and may damage the natural or built environment. Both human activity and natural processes can generate air pollution. Reduction of burning fossil fuels, use of electronic vehicles, reforestation, etc. can reduce air pollution to a major extent. Harnessing renewable sources of energy helps to keep the environment clean and healthy. Air pollution worldwide is a growing threat to human health and the natural environment. Air pollution may be described as contamination of the atmosphere by gaseous, liquid or solid wastes or by products that are can endanger human health and welfare of plants and animals, attack materials, reduce visibility, or produce undesirable odours. The air pollution problem is encountered outdoors as well as indoors. Mobile, stationary, area and natural sources all emit air pollution into the air. Air pollution is the contamination of air due to the presence of substances in the atmosphere.

# CAUSES

# OF

# AIR POLLUTION

Following are the important causes of air pollution :-

- I) FACTORIES AND INDUSTRIES : Factories and industries are the main source of carbon monoxide, organic compounds, hydrocarbons and chemicals. These are released into the air, degrading its quality.
- II) VEHICULAR EXHAUSTION : Cars, trucks and other vehicles with engines causes a lot of air pollution. The exhaust from these contains carbon monoxides. This type of air pollution causes respiratory health problem and holes in the ozone layer, which increases the exposure to the sun's harmful rays.
- III) BURNING OF FOSSIL FUELS : The combustions of fossil fuels emits a large amount of sulphur dioxide. Carbon monoxide released by incomplete combustion of fossil fuels also result in air pollution.
- IV) WILDFIRE : Climate change is not just increasing wildfire but also spiking air pollution. Burning stubble and farm residue is also a major contribution to wildfire. It causes increased in the air which collides with other harmful substances like chemical gasses and pollen creating smog.



# CONCLUSION

- Air pollution is a major environment issue. It can affect the health and life support systems as well. Since clean air is an essential factor of life for respiration, it is necessary to prevent the sources of air pollution.
- Air pollution is often the most obvious and widespread type of pollution.
- Health effects of these pollutants include respiratory diseases, birth defects, heart attacks, cancer and developmental disabilities in children. Environment impacts include destruction of stratospheric ozone, poisoning of forests and waters by acid rain, and corrosion of building materials.
- We have made encouraging progress in controlling air pollution, progress that has economic benefits as well as health benefits.
- Indoor air pollution is a potentially serious health threat - we can significantly minimize risks.
- Reduction in outdoor air pollution represents some of the greatest strides in environmental protection.
  - There is still room for improvement, especially in developing countries.
- Outdoor air pollution has been addressed by government legislation and regulation in developed countries.
- Although a lot of progress has been made we must change our lifestyles to reduce pollution.
- New data helps to identify sources of pollution and their properties.

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DATE :

Signature of Student

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18-03-22