

Compose

Inbox 604

Starred

Snoozed

Sent

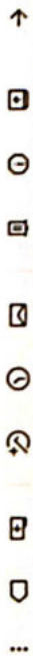
Drafts

More

Labels

ENVS MAIL 166

Search mail



Envs project Inbox x

MARIYAM ALAM <maryamalam86@gmail.com>



to me

from: MARIYAM ALAM <maryamalam86@gmail.com>
 to: purkatakash1996@gmail.com
 date: May 15, 2022, 3:51 PM
 subject: Envs project
 mailed-by: gmail.com
 signed-by: gmail.com
 security: Standard encryption (TLS) [Learn more](#)
 Important according to Google magic.



Akash Purkait <purkatakash1996@gmail.com>
to SUSOBHAN

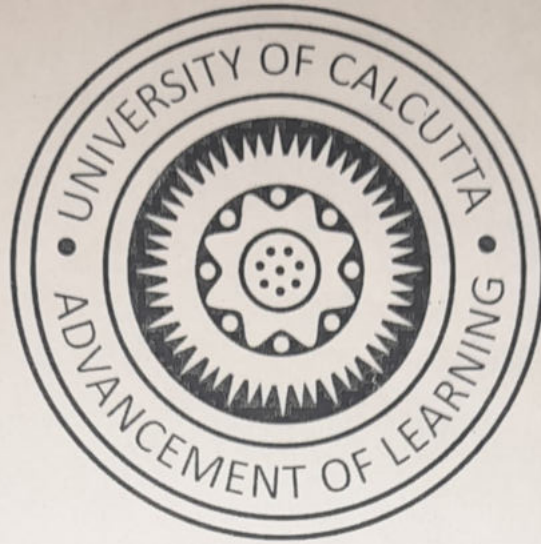
One attachment • Scanned by Gmail



10:2 PM (3 minutes ago)



UNIVERSITY OF CALCUTTA



ENVIRONMENTAL STUDIES

PROJECT

ON

POLLUTION

SUBMITTED

BY

NAME: MARIYAM ALAM

UNIVERSITY REGISTRATION NO: 117-1211-0257-21

UNIVERSITY ROLL NO: 211117-11-0016

YEAR: B.COM HONS (2nd Semester)

SESSION: 2022

COLLEGE: SURENDRANATH EVENING COLLEGE

SUBMITTED

TO

SUSOBHAN PURKAIT

ACKNOWLEDGEMENT

"Perseverance inspiration and motivation have always played a key role in success of any venture".

I hereby express my deep sense of gratitude to all the personalities involved directly and indirectly in my project work.

I would thank to God for the blessings and my parents also for their support in my project.

With immense pleasure, I would like to express my thanks to my teacher Susobhan Purkait and Dr. Jafar Ali Khan of our college for having given me this privilege of working under him and completing this study.

Last but not the least; I would also like to express my thanks to our student union General Secretary Ranjit Kumar Ray, he also helped me in doing a lot of research.

MARIYAM ALAM

INDEX

SL. NO	PARTICULARS	PAGE NO
01	Introduction	03
	• Defination of Pollution	05
	• What is pollution	05
	• Types of pollution	06
	• Effects of pollution	06-07
02	AIR Pollution	09
	• Effects of air pollution	10
	• Control of air pollution	10
03	Water pollution	11
	• Effects of water pollution	12
04	Noise pollution	13
	• Sources of noise pollution	
	• causes of noise pollution	
	• Effects of noise pollution	
05	Conclusion on pollution	14
06	Bibliography	15

INTRODUCTION

Pollution is a necessary evil of all development. Due to lack of development of culture of pollutions control, there has resulted a heavy backlog of gaseous, liquid and solid pollution in environment.

It has to be cleaned. Pollution control is a recent environment concern. Pollution is a man-made problem, mainly of affluent countries. The developed countries have been exploiting every bit of natural resource to convert them into goods for their comfort, and to export them to needy developing world. In doing so, the industrialized countries dump lot of materials in their environment which becomes polluted.

In one which way pollution has been 'exported' to developing countries and around the world.

Pollution occurs in different forms; air, water, soil, radioactive, noise, heat/thermal and light. Every form of pollution is two source of occurrence;

the point and the non-point source.

The point sources are easy to identify, monitor and local, whereas the non-point sources are hard to control.

Let us discuss the different types of pollutions, their causes and effect on mankind and the environment as a whole.

DEFINATION OF POLLUTION

When Harmful Substances contaminate the environment it is called pollution.

Pollution refers to the very bad condition of environment in terms of quantity and quality.

WHAT IS POLLUTION?

Pollution, we hear it every other day at school, college and read about it in news paper. So what is it? Pollution occurs when pollutants contaminate the natural surroundings; which bring about changes that affect our normal lifestyles adversely. Pollutants are the key elements or components of pollution which are generally waste materials of different form. Pollution disturbs our ecosystem and the balance in the environment. With modernization and development in our lives pollution has reached its peak; giving rise to global

EFFECTS OF POLLUTION

1. ENVIRONMENT DEGRADATION :- Environment

is the first casualty for increase in pollution whether in air or water. The increase in the amount of CO_2 in the atmosphere leads to smog which can resist Sun light from reaching the earth.

Thus, Preventing plants in the process of photosynthesis. Gases like sulfur dioxide and nitrogen oxide can cause

acid rain. water pollution in terms

of oil spill may lead to death of several wildlife species.

2. HUMAN HEALTH :- The decrease in quality of air leads to several respiratory problems including asthma and Lung Cancer. Chest pain, congestion, throat inflammation, cardiovascular disease, respiratory disease are some of disease that can be caused by air pollution. Occurs due to contamination of water and may pose skin related problems including skin irritation and rashes. Noise pollution leads to hearing loss, stress and sleep disturbance.

3. GLOBAL WARMING:- The Emission of green house gases particularly CO_2 is leading to global warming. Every other day new industries are being setup, new vehicles come on roads and trees are cut to make way for new homes. All of them, in direct or indirect way lead to increase in CO_2 in the environment. The increase in CO_2 leads to melting of polar ice caps which increase the sea level and pose danger for the people living near coastal areas.

AIR POLLUTION

An Atmospheric condition present in concentrations which can cause undesirable effects on man and his environment is called as air pollution.

The sources of air pollutions are the following :

- Natural Sources
- Man made Sources

1. **Natural Sources:** The natural sources of air pollution are volcanic eruption, forest fires, sea salt sprays, biological decay etc.

2. **Man made Sources:** The man made sources include thermal power plants, Industrial units, vehicular emissions, fossil fuel etc.

EFFECTS OF AIR POLLUTION :-

The air pollution has the following effect

- Effect on living organism
- Effect on human health
- Effect on plants
- Effect on aquatic life
- Effect on materials

CONTROL OF AIR POLLUTION:-

The air pollution can be controlled by following method:

- By using low sulfur coal in industries.
- By using mass transport system and bicycles etc.
- Shifting to less polluting vehicles
- using non-conventional source of energy
- Planting more trees.

WATER POLLUTION

Water pollution can be defined as an alternation in physical, chemical or biological characteristics of water.

SOURCE OF WATER POLLUTION

Water is a required commodity to survive and we need water for bathing, irrigation, drinking, washing, cooking and for industrial purposes. We get this water from ground water sources, rivers, lakes.

Groundwater Pollution:- Septic tanks, chemical industrial textile, deep well injection, mining etc. are mainly responsible for ground water pollution.

EFFECTS OF WATER POLLUTION

Around 2.3 billion people globally suffer from distinct disease. Most of them are diarrhea disease, typhoid, infectious hepatitis and paratyphoid is also causes water pollution.

CONTROL OF WATER POLLUTION

water pollution can be controlled by the following:

- The water pollution can be controlled by using nitrogen fixing plant to complete the deficiency of the avail of fertilizers.
- Pollution will be decreased by planting more plants and it will reduce soil erosion.

NOISE POLLUTION

The sound is mechanical energy from a vibrating source. The unpleasant and unwanted sound is called as 'Noise'.

SOURCES OF NOISE POLLUTION

The main source of noise pollution are various mode of transportation, industrial operations, construction activities and celebration, electric home appliance.

CAUSES OF NOISE POLLUTION

Noise causes the following effects:

- Interferes with man's communication
- Hearing Damage
- Physiological and Psychological changes

CONCLUSIONS ON POLLUTIONS

Much is being done to control, monitor and rectify damage done by pollutants.

The problems are diverse and some are only being recognised but it is important to keep a close control over pollutants so that we can maintain the environment is an acceptable condition for future generation.

BIBLIOGRAPHY

For making this project I have taken help from the following :-

1. <http://en.wikipedia.org/wiki/Pollution>
2. <http://eshooltoday.com/Pollution>
3. <http://www.who.int/topics>
4. Environmental Pollution, MN Rao & HVNRao
Tata McGraw-Hill, 2007.
5. Introduction to environmental Science
by Y. Arjaneyulu.