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# PLASSEY COLLEGE

Estd.- 2010

(affiliated to the University of Kalyani)

Mira Bazar, P.O.- Plassey, Kaliganj Block, Dist. – Nadia, Pin-741156, West Bengal, India

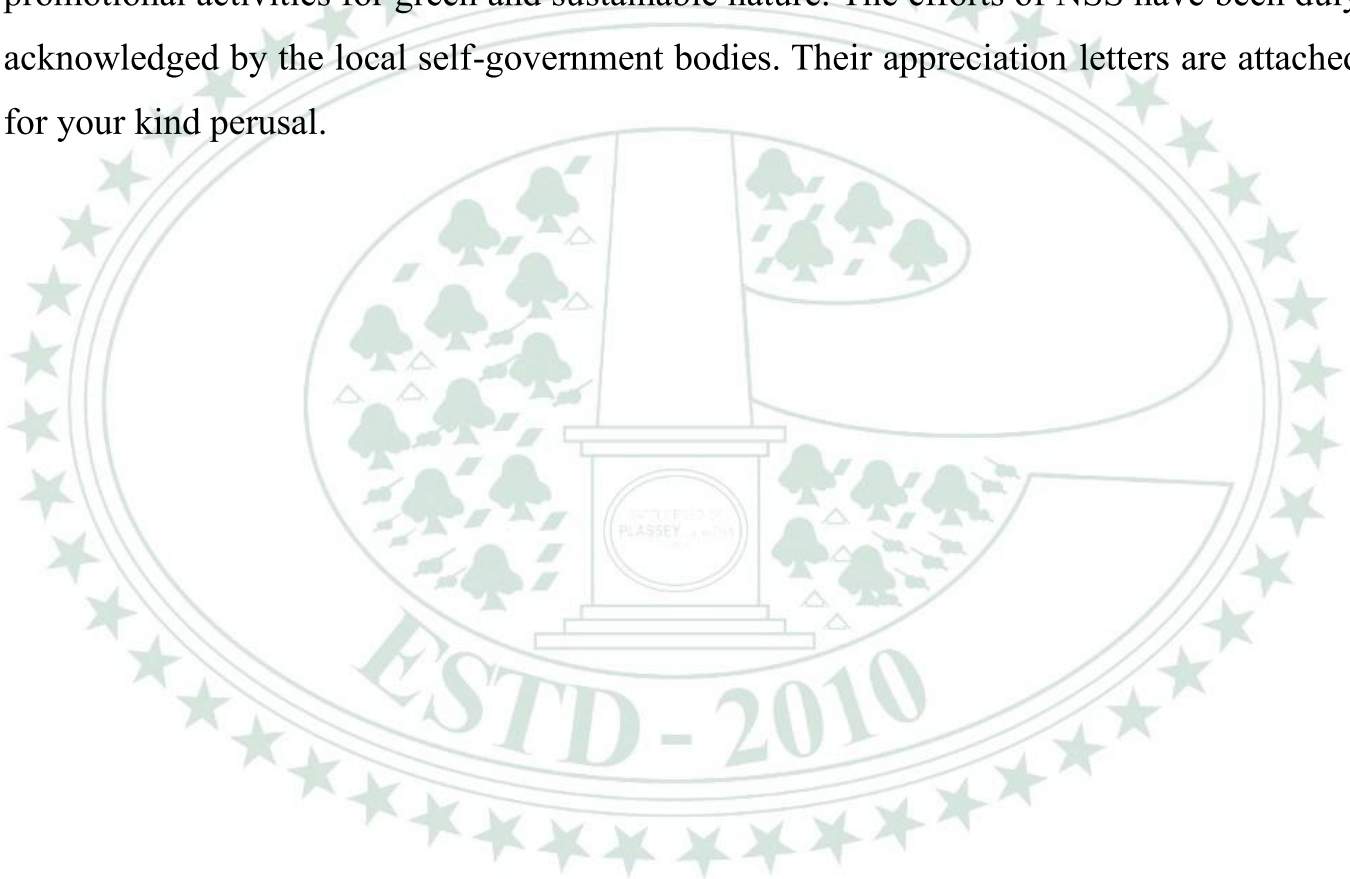


Ref No.....

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## Environmental promotional activities beyond the campus

The NSS Unit of Plassey College has undertaken several environmental initiatives both within the campus as well as outside through community outreach activities. Besides, the Environmental Studies department of the college also undertook several environmental promotional activities for green and sustainable nature. The efforts of NSS have been duly acknowledged by the local self-government bodies. Their appreciation letters are attached for your kind perusal.



**Document for beyond the campus environmental promotions.**  
**PLASSEY COLLEGE ENVIRONMENTAL STUDIES FIELD TRIP REPORT**

Date: October 1, 2018

Start Time: 11:00 AM, Venue: Plassey

**Topic: Exploring Wastage of Water & Harmful Effects of Parthenium**



## **Objective:**

The Plassey College Environmental Studies Field Trip aims to raise awareness about two critical environmental issues: the wastage of water and the harmful effects of Parthenium. By actively engaging students in surveys of local households and markets, we seek to:

**Understand Water Wastage:** Analyze the practices contributing to water wastage in our community and identify potential solutions to conserve this precious resource.

**Assess Parthenium Impact:** Investigate the extent of Parthenium infestation in our surroundings, understand its harmful effects on ecosystems and human health, and brainstorm methods to control its spread.

**Promote Environmental Responsibility:** Instill a sense of responsibility and environmental consciousness among our students, empowering them to become stewards of a sustainable future.

## **Exploring Water Wastage:**

Our students will conduct surveys of local households and markets to identify common practices contributing to water wastage. They will document these practices through photographs and interviews to gain valuable insights into the issue.



## **Understanding Harmful Effects of Parthenium:**

Students will also investigate the presence and impact of Parthenium in our community. They will collect data on Parthenium-infested areas, document its effects on local flora, fauna, and human health, and learn about effective control measures.



## **Next Steps:**

Students will present their findings to the school community to raise awareness.

Collaboration with local authorities for Parthenium control measures.

Implementation of water conservation initiatives within the school.

## **Acknowledgment:**

We extend our gratitude to all the students, teachers, and community members who participated in and supported this field trip. Together, we take a step closer to a more sustainable and environmentally conscious future.





### **Environmental Responsibility:**

Through this field trip, we aim to inspire our students to take proactive steps in conserving water and combating the spread of Parthenium. By fostering a sense of responsibility towards the environment, we hope to create future leaders who actively contribute to a sustainable world.

### **Join Us in Making a Difference:**

Together, we can make a positive impact on our environment. Let's work towards a cleaner, greener, and more sustainable future!

### **Conclusion:**

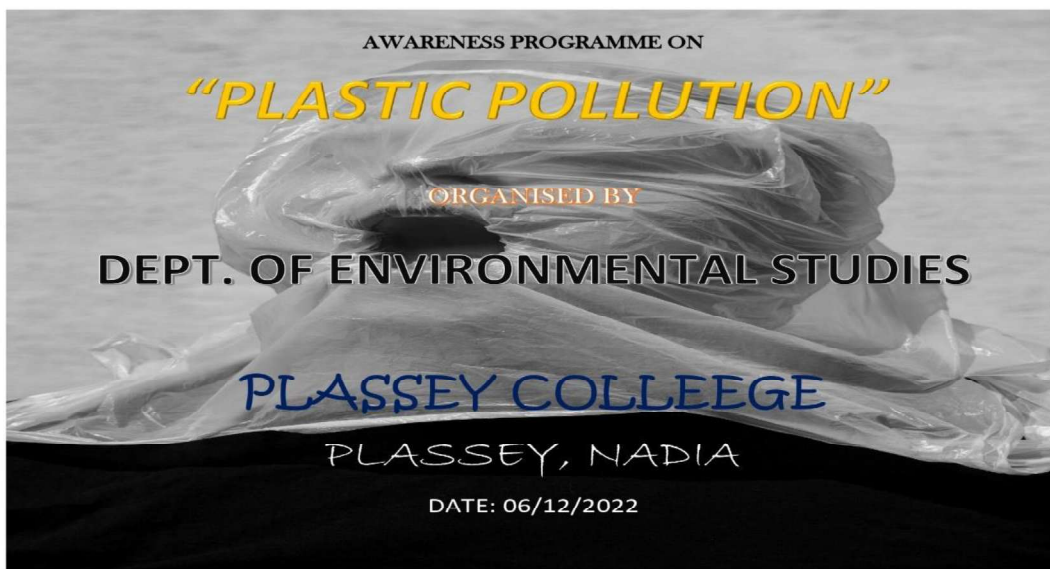
The field trip served as a valuable learning experience for our students, offering them practical insights into two critical environmental issues. It reinforced the importance of responsible water usage and the need for collective action to combat the spread of Parthenium.

# **PLASTIC POLLUTION FIELD TRIP BROCHURE**

Date: December 6, 2022

Start Time: 11:00 AM, Venue: Plassey

Topic: Exploring Wastage of Water & Harmful Effects of Parthenium



## **Objective:**

Our mission during the Plastic Pollution Field Trip on December 6, 2022, was to raise awareness about the impact of plastic pollution on our environment. This eye-opening experience allowed our students to collect valuable data from local households and markets, shedding light on both the benefits and adverse effects of plastic pollution.

## **Why Plastic Pollution Matters**

Plastic pollution has emerged as a global environmental crisis, affecting ecosystems, wildlife, and human health. Understanding the gravity of this issue is crucial for our students as future stewards of the planet.

## **Benefits of Plastic:**

1. Convenience: Plastic products are lightweight, durable, and convenient for everyday use.
2. Affordability: Plastic is cost-effective, making many products accessible to a wider range of consumers.
3. Versatility: Plastic can be molded into various shapes, serving different purposes across industries.
4. Packaging: Plastic packaging helps preserve food, reduce waste, and extend product shelf life.
5. Medical Advancements: Plastic plays a crucial role in medical equipment, ensuring safety and hygiene.

## **Adverse Effects of Plastic Pollution:**

1. Environmental Degradation: Plastic waste litters our landscapes, harming ecosystems and wildlife.
2. Microplastics: Broken-down plastic particles enter the food chain, potentially harming human health.
3. Ocean Pollution: Millions of tons of plastic enter our oceans each year, endangering marine life.
4. Non-Biodegradable: Plastic takes centuries to decompose, causing long-lasting pollution.
5. Resource Depletion: The production of plastic consumes valuable resources and contributes to climate change.

## **Field Trip Highlights**

1. Community Engagement: Students will interact with local residents to gather information about plastic usage and disposal practices.
2. Market Survey: A visit to the local market will allow students to observe the prevalence of plastic packaging and assess consumer attitudes.
3. Data Collection: Students will collect data on plastic usage, recycling, and the disposal of plastic waste.
4. Environmental Impact: Discussions and analysis of the collected data will help students comprehend the environmental consequences of plastic pollution.
5. Sustainable Solutions: Brainstorming sessions will encourage students to propose sustainable alternatives and educate the local community on responsible plastic usage.



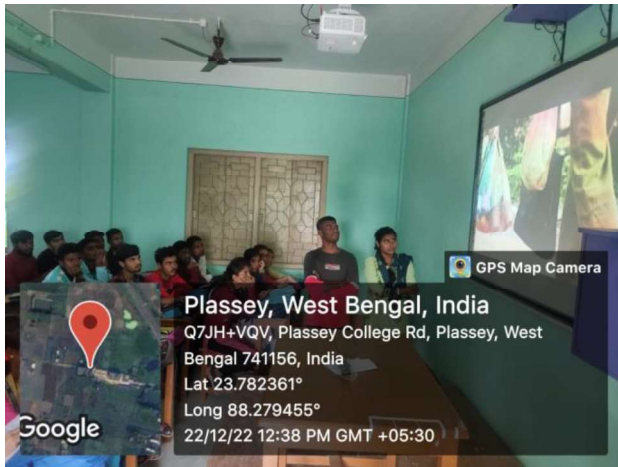
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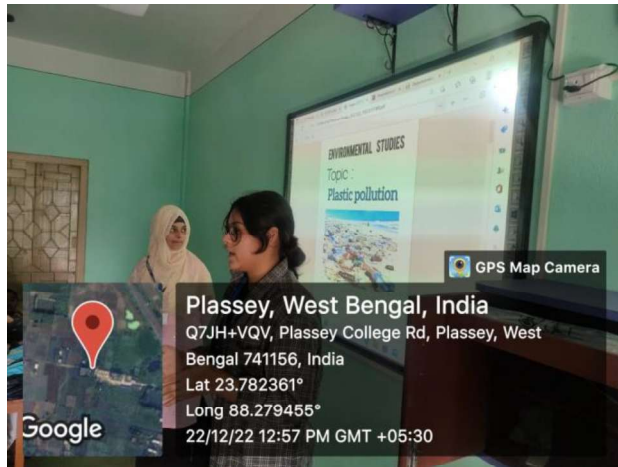
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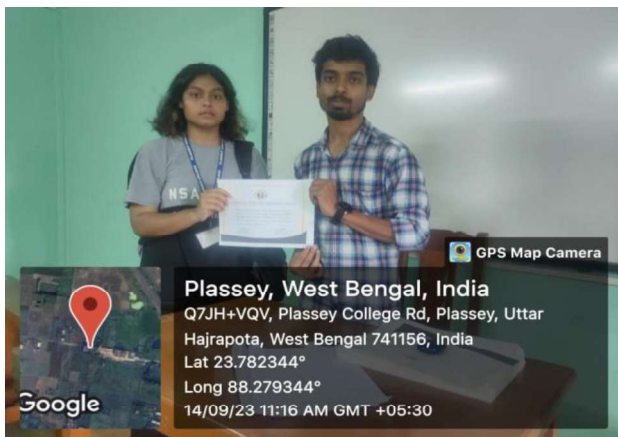
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## **Our Mission:**

Plassey College is committed to educating future generations about the consequences of plastic pollution. Through field trips like this, we empower our students to become environmental stewards, advocating for responsible plastic use and promoting sustainable alternatives.

Take Action:

1. Reduce, Reuse, Recycle: Encourage recycling and the responsible disposal of plastic waste.
2. Support Alternatives: Choose products with eco-friendly packaging or reusable options.
3. Educate Others: Share your knowledge about plastic pollution with friends and family.
4. Community Initiatives: Get involved in local clean-up efforts and environmental projects.

Let's work together to combat plastic pollution and protect our planet for future generations. Together, we can create a cleaner, greener, and more sustainable world.

## **Acknowledgement:**

We extend our heartfelt gratitude to the residents of our local community who generously shared their time and insights during our field trip on plastic pollution. Their cooperation and willingness to engage in discussions about this critical issue are greatly appreciated.

We also acknowledge the dedication and enthusiasm of our students who actively participated in data collection, discussions, and proposed solutions. Your commitment to environmental awareness is commendable.

## **Conclusion:**

Our field trip on "Plastic Pollution" has been a valuable educational journey, shedding light on the pervasive issue of plastic pollution within our local community. Through interactions with residents and observations at the market, our students have gained practical knowledge about the challenges posed by plastic waste.

As educators, it's our responsibility to nurture the passion for environmental conservation and inspire students to become advocates for a sustainable future. We hope this field trip serves as a catalyst for change, encouraging all of us to reduce our plastic footprint and promote eco-friendly alternatives.

Let's remember that small actions can make a big difference, and by collectively working towards reducing plastic pollution, we can pave the way for a cleaner and healthier planet.

## NATIONAL WEBINAR ON

# "AIR POLLUTION AND BIODIVERSITY CONSERVATION"

Date: September 26, 2020

Time: 11:00 AM - 2:00 PM

Platform: Google Meet



The graphic is a promotional poster for a national webinar. It is divided into four quadrants. The top-left quadrant shows a landscape with a tree and a factory emitting smoke. The top-right quadrant contains text: "National Webinar on 'Air Pollution and Biodiversity Conservation'", "ORGANISED BY Dept. Of Environmental Studies", and "PLASSEY COLLEGE". The bottom-left quadrant features two speaker portraits: Sumanta Kundu and Dr. Soma Mukherjee, with the word "SPEAKER" above them. The bottom-right quadrant shows a globe with a tree and birds. At the bottom, it provides the date "DATE: 26/09/2020; TIME: 11 AM TO 2 PM" and the Google Meet link: "Google meet link: https://meet.google.com/zdr-fxqu-pfo".

National Webinar on  
*"Air Pollution and Biodiversity Conservation"*  
ORGANISED BY  
*Dept. Of Environmental Studies*  
*PLASSEY COLLEGE*

**SPEAKER**

Sumanta Kundu

Dr. Soma Mukherjee

DATE: 26/09/2020; TIME: 11 AM TO 2 PM  
Google meet link: <https://meet.google.com/zdr-fxqu-pfo>

## About the Webinar:

The Department of Environmental Studies, Plassey College, proudly presents a national-level webinar on "Air Pollution and Biodiversity Conservation." Join us as we delve into the critical intersection of air pollution and biodiversity and explore ways to preserve our planet's diverse ecosystems. This enlightening event features two distinguished speakers who will share their insights and expertise on this pressing issue.

## Webinar Objectives:

Understanding the Impact: Explore the profound effects of air pollution on biodiversity, ecosystems, and human health.

Conservation Strategies: Learn about innovative strategies and best practices for conserving biodiversity in the face of increasing air pollution.

Expert Insights: Gain valuable insights from leading experts in the field, Prof. Soma Mukherjee and Sumanta Kundu.

Community Engagement: Discuss the role of communities, researchers, and policymakers in mitigating the impact of air pollution on biodiversity.

Awareness and Advocacy: Promote awareness about the importance of biodiversity conservation and foster advocacy for cleaner air and healthier ecosystems.

## **Speaker Profiles:**

**Prof. Soma Mukherjee**

**Department of Environmental Science, University of Kalyani**

Prof. Soma Mukherjee is a renowned environmental scientist with extensive experience in air quality management and its impact on biodiversity. Her research has contributed significantly to our understanding of the complex relationship between air pollution and the environment.

**Sumanta Kundu**

**Senior Programme Officer**

Sumanta Kundu is a seasoned expert in the field of environmental conservation. With a focus on biodiversity, he has been instrumental in designing and implementing conservation programs that tackle the challenges posed by air pollution.

The Department of Environmental Studies at Plassey College successfully conducted a national-level webinar titled "Air Pollution and Biodiversity Conservation" on the 26th of September 2020. The event aimed to shed light on the critical issue of air pollution and its impact on biodiversity, featuring distinguished speakers, Prof. Soma Mukherjee from the Department of Environmental Science at the University of Kalyani and Sumanta Kundu, Senior Programme Officer.

## **Objectives of the Webinar:**

The primary objectives of the webinar were:

**Raise Awareness:** To raise awareness about the pressing issue of air pollution and its detrimental effects on biodiversity.

**Educate and Inform:** To provide participants with in-depth knowledge about the various aspects of air pollution, including its sources, types, and regional variations, and how it impacts ecosystems and biodiversity.

**Discuss Conservation Strategies:** To facilitate discussions on strategies and measures that can be taken to conserve biodiversity in the face of increasing air pollution.

**Inspire Action:** To motivate individuals, communities, and policymakers to take action to mitigate air pollution and protect biodiversity.

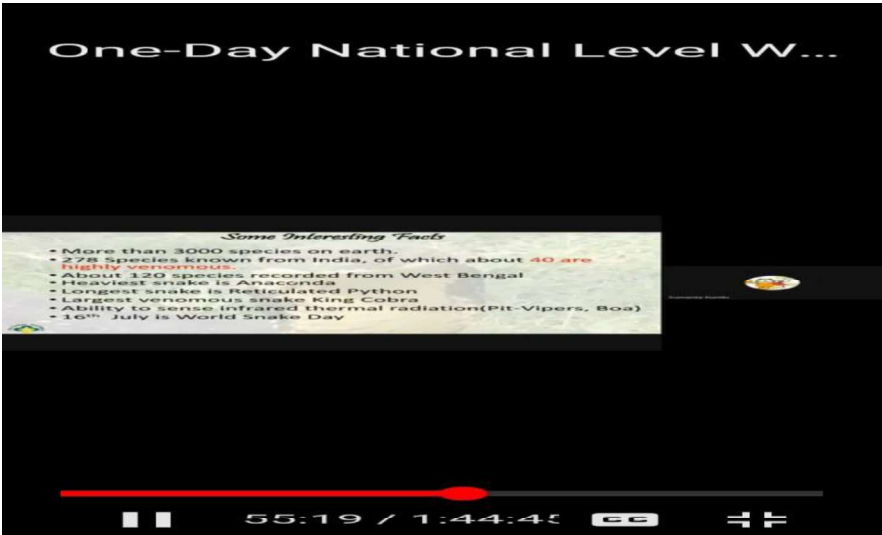
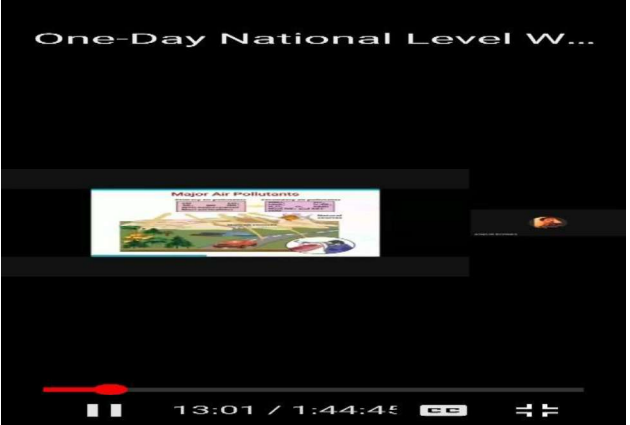
## **Event Highlights:**

The webinar commenced at 11:00 AM, with a warm welcome by the organizers. Prof. Soma Mukherjee, an eminent expert in the field of environmental science, began the session with an informative presentation. She discussed the various sources of air pollution, including industrial emissions, vehicular pollution, and agricultural practices. Prof. Mukherjee also emphasized the direct and indirect impacts of air pollution on biodiversity, such as habitat destruction, soil degradation, and chemical contamination.

Following her presentation, Sumanta Kundu, Senior Programme Officer, shared valuable insights into the initiatives and projects undertaken by governmental and non-governmental organizations to combat air pollution and protect biodiversity. He stressed the importance of collaboration between various stakeholders, including communities, scientists, and policymakers, to achieve effective conservation outcomes.

The webinar was highly interactive, with participants engaging in a lively Q&A session after each speaker's presentation. Participants had the opportunity to ask questions and seek clarification on various aspects of air pollution and biodiversity conservation.

The event concluded at 2:00 PM, with a vote of thanks from the organizers. Participants were encouraged to take the knowledge gained during the webinar and apply it to their local contexts, advocating for cleaner air and healthier ecosystems.





## **Conclusion:**

The national-level webinar on "Air Pollution and Biodiversity Conservation" organized by the Department of Environmental Studies, Plassey College, was a significant step toward raising awareness and promoting action in the battle against air pollution and the protection of biodiversity. It served as a platform for education, discussion, and inspiration, bringing together experts, scholars, and concerned citizens in the shared mission of preserving our planet's precious biodiversity.

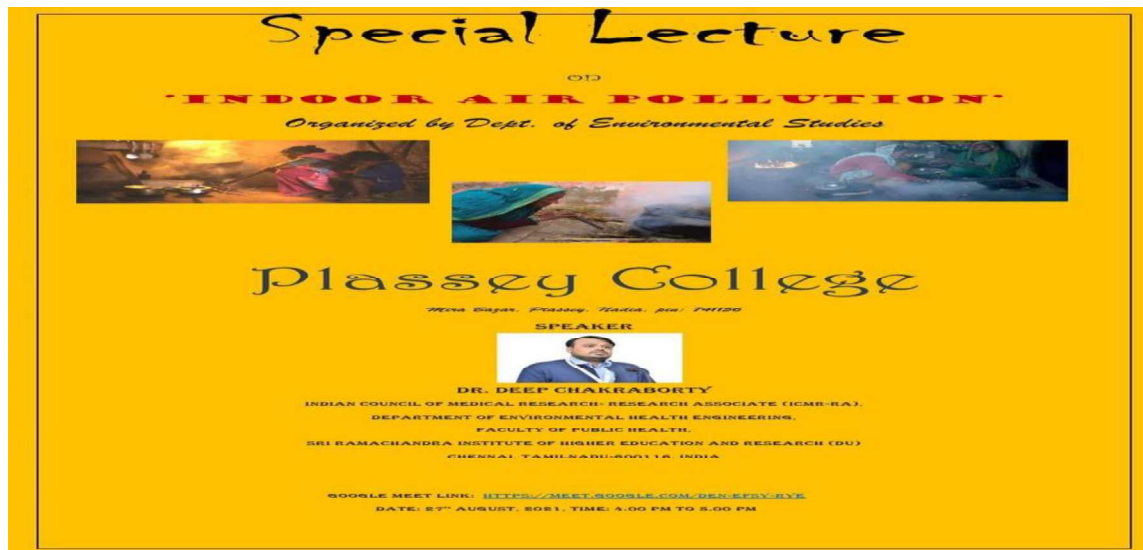
## A SPECIAL CLASS ON INDOOR AIR POLLUTION

**Date:** August 27, 2021

**Time:** 11:00 AM - 1:00 PM

**Platform:** Google Meet

**Organized by:** Department of Environmental Studies, Plassey College



### Objective:

The primary objective of the national-level webinar on "Indoor Air Pollution" was to raise awareness and facilitate discussions on the critical issue of indoor air pollution. The webinar aimed to educate participants about the sources, impacts, and mitigation strategies of indoor air pollution, ultimately promoting healthier indoor environments for individuals and families across the nation.

### Organized by:

Department of Environment Studies, Plassey College

### About the Webinar:

Indoor air pollution is a pressing concern that affects the health and well-being of millions of people worldwide. The Department of Environment Studies at Plassey College invites you to a national-level webinar that delves into this critical issue. Join us for an enlightening session that promises to deepen your understanding of indoor air pollution, its causes, effects, and effective mitigation strategies.

## **Objective:**

The primary objective of this national webinar is to create awareness and provide valuable insights into the pressing issue of indoor air pollution. The event aims to:

Educate: Disseminate knowledge about the sources, types, and health impacts of indoor air pollution.

Inform: Highlight the latest research findings and scientific understanding of indoor air quality.

Engage: Foster a platform for dialogue among experts, scholars, and participants to share experiences and perspectives.

Empower: Equip participants with actionable strategies to improve indoor air quality in their homes and workplaces.

## **Keynote Speaker:**

Dr. Deep Chakraborty

Research Associate

Indian Council of Medical Research

Dr. Deep Chakraborty is a distinguished researcher with extensive experience in the field of air quality and its impact on public health. He has been actively involved in studies related to indoor air pollution and its effects on human health. Dr. Chakraborty's expertise will provide invaluable insights into the complex issue of indoor air quality.

## **Event Highlights:**

The Department of Environmental Studies at Plassey College organized a highly informative and engaging national-level webinar on "Indoor Air Pollution" on August 27, 2021. The event took place via the Google Meet platform, attracting a diverse audience of students, academicians, researchers, and individuals concerned about the quality of indoor air.

The webinar commenced at 11:00 AM with a warm welcome from the organizers, emphasizing the critical importance of addressing indoor air pollution, especially in the context of public health and well-being. The



audience eagerly awaited the keynote speaker, Dr. Deep Chakraborty, a Research Associate at the Indian Council of Medical Research, renowned for his expertise in air quality and health-related research.

Dr. Chakraborty began his presentation by providing a comprehensive overview of indoor air pollution, highlighting its sources, including cooking, heating, smoking, and building materials. He stressed that indoor air pollution can have severe health consequences, including respiratory illnesses, cardiovascular problems, and even cancer. The speaker cited alarming statistics and case studies to underscore the urgency of the issue.

Throughout his presentation, Dr. Chakraborty discussed various indoor air pollutants, such as volatile organic compounds (VOCs), particulate matter, carbon monoxide, and radon gas. He also delved into the specific health risks associated with each pollutant and the vulnerable populations most at risk.

The webinar did not merely focus on the problem but also offered practical solutions and mitigation strategies. Dr. Chakraborty elucidated ways to improve indoor air quality, such as proper ventilation, the use of air purifiers, and lifestyle changes. He also emphasized the importance of raising awareness and policy interventions to address indoor air pollution at a broader level.

The presentation was followed by a lively Q&A session, where participants posed thought-provoking questions to Dr. Chakraborty, further enriching the discussion. The session concluded with a vote of thanks from the organizers, expressing gratitude to Dr. Chakraborty for his invaluable insights and the participants for their active engagement.

**INDOOR AIR QUALITY** 21

Indoor air quality is influenced by:

- Outdoor air pollution: vehicles and industrial plants Secondhand tobacco smoke
- Fuels used for heating and cooking purposes in a confined and poorly ventilated spaces
- Overcrowded homes and insufficient living space, customs, habits, traditions
- Level of economic development:
  - Industrialized ≠ developing countries

**SMOKY COOKING FUELS**

Open fire cooking stoves produce heavy smoke containing:

- Fine particles
- Carbon monoxide (CO)
- Polycyclic aromatic hydrocarbon (PAHs)

- Strongly linked to pneumonia
- Suggested link to low birth weight
- adults: chronic obstructive pulmonary disease, lung cancer

**AGE DISTRIBUTION OF GLOBAL BURDEN OF DISEASE ATTRIBUTABLE TO SOLID FUEL USE**

Age group (yrs)	Attributable mortality	Attributable DALYs
0-4	56	83
5-14	0	0
15-59	5	8
60+	38	9

Young children at high risk due to:

- Lung immaturity
- High exposure to IAP: nearly 1 million children under 5 yrs die every year due to solid fuel use!



### SICK BUILDING SYNDROME <sup>63</sup>

**Symptoms:**

- Headache
- Irritation of eyes, nose throat
- Dry cough
- Dry or itchy skin
- Difficulty in concentrating
- Fatigue
- Sensitivity to odours

**Solutions:**

- Remove source of pollutant
- Increase ventilation
- Air cleaning: filters
- Education and communication

A small circular profile picture of Dr. Deep Chakraborty is in the bottom right corner.

## **Conclusion:**

In conclusion, the national-level webinar on "Indoor Air Pollution" organized by the Department of Environmental Studies, Plassey College, achieved its objective of raising awareness about this critical issue. It served as a platform for knowledge exchange, fostering a better understanding of indoor air pollution and its implications for public health. The event highlighted the need for collective efforts to address this problem and create healthier indoor environments for all.

A state Level Webinar on

# BIODIVERSITY CONSERVATION

Date: 12th August 2021

Time: 12:00 AM to 2:00 PM

Platform: Google Meet

## **Organized by:**

**Department of Environment Studies in association with IQAC, Plassey College**

**EMINENT ACADEMICS PARTICIPATING IN THE WEBINAR**

**PATRON**



Principal  
Dr. Sasant Kumar Pradhan  
Plassey College, Plassey, Nadia

**SPEAKER**



Dr. Alok Chandra Samal  
Tech.Asst. in Dept. of Environmental science  
University of Kalyani, Kalyani, Nadia

**ORGANIZING COMMITTEE**

**Convener**



Ankur Biswas  
SACT  
Dept. of Environmental Studies  
Plassey College, Plassey, Nadia

**Co-convener**



Dr. Abu Siddik  
IQAC coordinator and Asst. professor  
Dept. of English  
Plassey College, Plassey, Nadia

## **Objective:**

The world is facing unprecedented challenges when it comes to biodiversity loss. As ecosystems degrade, species vanish, and the delicate balance of nature is disrupted, it becomes imperative for us to act collectively and responsibly. The National Webinar on Biodiversity Conservation aims to shed light on the critical issues surrounding biodiversity, its conservation, and the role each one of us can play in preserving our planet's rich and diverse life forms.

## **Key Objectives:**

**Raise Awareness:** To create awareness among participants about the importance of biodiversity in sustaining life on Earth and the alarming rate of biodiversity loss.

**Understanding the Threats:** To discuss the various threats to biodiversity, including habitat destruction, pollution, invasive species, and climate change, and their impacts.

**Conservation Strategies:** To explore effective conservation strategies, including protected areas, sustainable land use, and community-based initiatives.

**Expert Insights:** To provide a platform for Dr. Alok Chandra Samal, a renowned expert in the field of environmental science, to share his knowledge and research on biodiversity conservation.

**Empowerment:** To empower participants with knowledge and resources to actively contribute to biodiversity conservation efforts in their communities.

## **Webinar Highlights:**

**Keynote Address:** Dr. Alok Chandra Samal, Department of Environmental Science, will deliver an insightful keynote speech on the current state of biodiversity and the urgency of conservation.

**Panel Discussion:** Engage in a thought-provoking panel discussion with experts, researchers, and conservationists, where they will share their experiences and expertise.

**Interactive Q&A:** Participants can ask questions and seek clarification from our distinguished speakers.

**Resource Sharing:** Access to valuable resources and references for further exploration of biodiversity conservation.



## **Conclusion:**

The state-level webinar on "Biodiversity Conservation" was a resounding success, bringing together a diverse group of participants, including students, academicians, researchers, and environmental enthusiasts. The event effectively achieved its objectives of raising awareness about biodiversity conservation, discussing the challenges and solutions, and fostering collaboration in this critical area.

The Department of Environment Studies and IQAC at Plassey College express their gratitude to Dr. Alok Chandra Samal, all the speakers, panelists, and participants for their valuable contributions to this enlightening event. It is hoped that the knowledge and insights gained from this webinar will inspire continued efforts in the conservation of our planet's rich biodiversity.

## 12<sup>th</sup> May 2018 -Sthapaty Aitihya o Loksanskriti Sangrakshan

NSS Program Officer of Passey College, Junazar Islamand along with 25 volunteers participated in the program Sthapaty Aitihya o Loksanskriti Sangrakshan at areas adjacent to Plassey Monument areas. The students remembered the significance of the monument erected on the place and also took a vow to protect the historical monuments of their localities. The vounteers also made a fields visit to the villagers regarding their culture.



## 6<sup>th</sup> August, 2019 Save Green Save Life

A sensitization program was held on Save Green Save Life. At the Seminar Hall teachers talked about the importance of saving greeneries to the student.



## 24<sup>th</sup> November, 2022 NSS Day Celebration & Clean Campus Divine Campus Drive

24<sup>th</sup> November is celebrated as NSS Day. A sensitization program regarding the importance of NSS is conducted at virtual classroom. Besides that, to commemorate the day a cleanliness drive was conducted to make the college premises clean.







**BASANT KUMAR PRADHAN**

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## World Environment Day Celebration

NSS Unit of Plassey College in collaboration with Women's Cell, Plassey College organized a Tree Plantation Program on 5<sup>th</sup> June, 2023. Saplings were planted on the College campus. Each of the students who participated in the campaign planted a tree in the college campus to make the college a green campus. The honourable Principal of the college graced the occasion.





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