



DEPARTMENT OF GEOLOGY  
GOVERNMENT COLLEGE SUNDARGARH



# INTERNATIONAL DAY FOR THE PRESERVATION OF OZONE LAYER SEPTEMBER 16 2025

OUR MOTTO  
"FROM SCIENCE TO GLOBAL ACTION"

Organised by Bhubigyan Sangathan, Department of Geology, Government College Sundargarh



## INTERNATIONAL DAY FOR THE PRESERVATION OF THE OZONE LAYER



*Resource Person*

**DR. ASHUTOSH NAIK**

**Professor ( Retd.), Dept. of Earth Sciences  
SAMBALPUR UNIVERSITY**

**ORGANISED BY :  
BHU-BIGYAN SANGATHAN  
DEPARTMENT OF GEOLOGY  
GOVT. COLLEGE, SUNDARGARH**

**DATE : 16.09.2025  
TIME : 11:00 AM  
VENUE : ROOM NO. 6**



# International Day for the Preservation of the Ozone Layer

World Ozone Day, is celebrated annually on September 16 to promote awareness of the ozone layer's vital role in protecting life from harmful UV radiation and to encourage action against ozone depletion

- **Origin**

The United Nations established the International Day for the Preservation of the Ozone Layer in 1994 to commemorate the signing of the Montreal Protocol on September 16, 1987.

- **Purpose :**

The day's main purpose is to:

- 1) Raise global awareness about the critical importance of the ozone layer as Earth's shield against harmful UV rays.
- 2) Commemorate the success of the Montreal Protocol, a globally recognized and effective environmental treaty.
- 3) Educate and inspire action to protect the ozone layer and ensure its continued recovery.

**GOVT. COLLEGE, SUNDARGARH**

PROGRAMME:

Date: 16/09/25

Sl	Name	Designation /Department	Signature
01.	Tyutishree Rout	Geology	Tyutishree
02.	Ranu Jena	Geology	Ranu Jena
03.	Arpita Sahoo	Geology	Arpita
04.	Subhashree Mohanty	Geology	Subhashree.M
05.	Smriti S Patra	Geology	Smriti S Patra
06.	Barasharanee Sahoo	Geology	Barasharanee Sahoo
07.	Subhashree Patel	Geology	Subhashree Patel
08.	Karisma Nauri	Geology	Karisma Nauri
09.	Shakti swarnap Rout	Geology	Shakti
10.	Siddharth K. Pradhan	Geology	Siddharth
11.	Abhisek Sahoo	Geology	Abhisek
12.	Abhinav Jagannath Das	Geology	Abhinav
13.	Devesh Bhowal	Geology	Devesh
14.	Debasish Mahanta	Geology	Debasish
15.	Om Prakash Mohanty	Geology	Om Prakash Mohanty
16.	Kanhu Charan Bhal	"	Kan. Bhal
17.	Suraj Kumar Sa	Geology	Suraj Kumar Sa
18.	Shishir Kumar Atti	Geology	Shishir K. Atti
19.	Siddhanta Sankar Khandagiri	Geology	Siddhanta
20.	Hritik R.D. Meher	Geology	Hritik
21.	Subid Sahoo	Geology	Subid Sahoo
22.	Ashish Chandan Pradhan	Geology	Ashish Ch. Pradhan

Principal  
Govt. College, Sundargarh



GOVT. COLLEGE, SUNDARGARH

PROGRAMME: International day for preservation of <sup>Geo-Form</sup> Date: 16.09.20

Sl	Name	Designation /Department	Signature
1	Dipen Bhoi	+3, 3rd Year, Geology	Dipen Bhoi
2	Ashish Se	+3 3rd Year, Geology	Ashish Se
3	Bishwa Palap Mohananda	+3, 3rd Year, Geology	Bishwa Mohananda
4	Sevit Naik	+3 3rd Year, Geology	Sevit Naik
5	Sitaram Nayak	+3, 3rd Year Geology	Sitaram Nayak
6	Swantik Sagar Mahanta	+3 2nd Year Geology	Swantik Sagar Mahanta
7	Lingam Gini	+3 2nd year geology	Gini
8	Anjan Mahananda	PG- 2nd year	Anjan Mahananda
9	Amresh Mohapatra	PG- 1st Year.	Amresh Mohapatra
10	Satyajit Nayak	"	Satyajit Nayak
11	Syama Ranjan Panda	"	Syama Panda
12	Jayant Kusum	"	Jayant Kusum
13	Sumit Kumar Sahu	"	Sumit Kumar Sahu
14	Biswajit Kar	"	Biswajit Kar
15	Debadatta Mohanta	"	Debadatta Mohanta
16	Suresh Kalo	PG.- 1st year	Suresh Kalo
17	Prabirush Rn. Prasadhan	UG. 3rd year	Prabirush Rn. Prasadhan
18	Abhinav yu Prusty	UG 1st year	Abhinav Prusty
19	Abhinav K.V Ray	UG 1st year	Abhinav Ray
20	Gidhagunwar, Palo	UG 1st year	Gidhagunwar Palo
21	Shiba Bonigla	UG 1st year	Shiba Bonigla
22	Bikash Kujar	UG 1st year	Bikash Kujar

Principal  
Govt. College, Sundargarh

# Documentation on the Programme

## "INTERNATIONAL DAY FOR THE PRESERVATION OF OZONE LAYER"

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### Organized By:

Bhubigyan Sangathan, Department of Geology,  
Government (A) College Sundargarh

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### Programme Details

**Date:** 16th September 2025

**Time:** 10.00 AM TO 1.00 PM

**Location:** Room No. 6, Department of Geology,  
Government (A) College Sundargarh



# INTRODUCTION

The Department of Geology, Government (A) College, Sundargarh, under the aegis of Bhubigyan Sangathan, organized an interactive programme titled **"INTERNATIONAL DAY FOR THE PRESERVATION OF OZONE LAYER"** on 16th September 2025. This initiative aimed to provide an in-depth understanding about ozone layer, its importance, about ozone depletion caused by ODS (Ozone Depleting Substance) and how to mitigate it.

The programme featured **Shri Ashutosh Naik**, Ex- Professor in Department of Earth Science, Sambalpur University and visiting faculty of Department of Geology, Government (A) College Sundargarh.

Alongside, distinguished academicians and geologists participated in discussions to make the session more enriching. The primary objective of the programme was to mitigate the ODS and uses of remote sensing in ozone layer to protect it.

## Conduct of the Programme

### Inauguration

The event commenced at 10:30 AM with an inaugural session. **Sri Siba Prasad Mohanty**, Head of the Department of Geology, welcomed the attendees and introduced the esteemed speakers. A brief overview of the objectives of the event was provided.

### Keynote Speech by Shri Ashutosh Naik

Shri Ashutosh Naik delivered the keynote address, focusing on the significance of ozone layer, uses of remote sensing and satellites uses.

### Panel Discussion

The session transitioned into a panel discussion moderated by **Shri Ashutosh Naik**. The panelists included:

- **Sri Alok Kumar Naik**, Principal, Government College Sundargarh
- **Sri Siba Prasad Mohanty**, HOD, Department of Geology

●**Smt, Pragnya Paramita Dash**, Assistant Professor, Department of Geology.

Topics discussed include the effects of increased UV radiation, such as skin cancer and environmental damage, the science of ozone depletion, the role of the ozone layer in blocking UV rays, discussions about remote sensing and satellites focus on how this technology tracks and monitors ozone-depleting substances (ODS), measures the thinning of the ozone layer (particularly the Antarctic ozone hole), and supports the development and success of international protocols like the Montreal Protocol.

## **Discussion by Shri Ashutosh Naik on Satellites and Their Rotation Around Earth**

Shri Ashutosh Naik provided an insightful explanation about how satellites function and maintain their orbits around the Earth. He explained that satellites revolve around the Earth due to the perfect balance between two key forces: gravitational pull and centripetal force. While Earth's gravity pulls the satellite towards itself, the satellite's forward velocity prevents it from falling, resulting in a continuous curved path around the planet.

He highlighted how satellites are placed into specific orbits depending on their purpose—such as communication, weather forecasting, GPS, or scientific observation. Shri Naik also emphasized the importance of understanding orbital mechanics and how satellite technology plays a crucial role in modern life, from telecommunications to disaster management.

His discussion helped the students appreciate the complex yet fascinating science behind satellite motion and their essential role in our daily lives.

## **Interactive Q&A Session**

During the interactive question and answer session, Shri Ashutosh Naik addressed several queries raised by the M.Sc. and B.Sc. students on the topics of satellites and ozone layer depletion. He explained how satellites are used not only for communication and

navigation but also for environmental monitoring, including tracking changes in the Earth's atmosphere.

Participants asked how satellites help in detecting ozone layer depletion, to which Shri Naik responded that Earth-observing satellites are equipped with special sensors that can measure ozone concentration in the stratosphere. These readings help scientists monitor harmful UV radiation levels and track the impact of human activities on the atmosphere.

He also clarified misconceptions related to satellite movement and ozone layer damage, emphasizing that while satellites do not cause ozone depletion, they play a critical role in studying and addressing environmental issues. The session was highly informative and encouraged scientific curiosity among the attendees.

## **Observation of International Day for the Preservation of the Ozone Layer**

**Organized by :** Department of Geology

**Participants:** B.Sc. and M.Sc. Students

**Date:** 15th September 2025

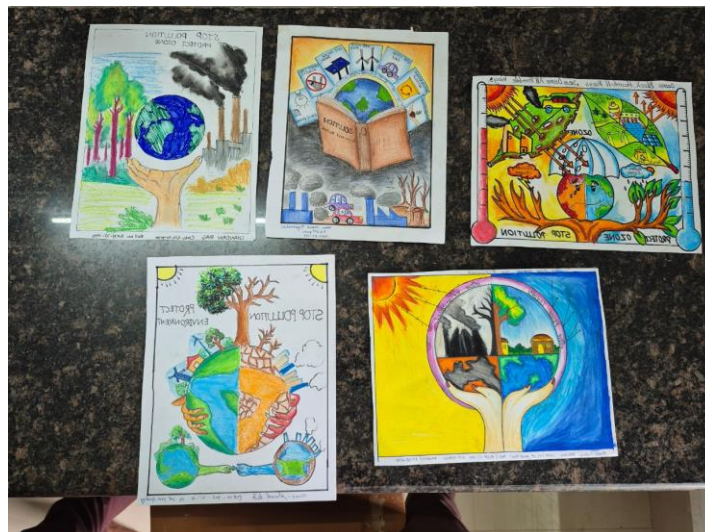
**Time:** 10.30 AM-12.00 PM

As part of the observance of the International Day for the Preservation of the Ozone Layer, the Department of Geology organized various awareness activities aimed at educating and engaging students on the importance of ozone layer protection.

The event featured a Drawing Competition and a Quiz Competition, in which both B.Sc. and M.Sc. students participated actively. The drawing competition encouraged students to express their understanding and concern for the ozone layer through art, while the quiz tested their knowledge on environmental issues, particularly those related to ozone depletion.

The competitions were well-received, and winners were awarded prizes in recognition of their performance. The programme successfully fostered awareness and inspired students to think critically about environmental preservation.





## Conclusion and Vote of Thanks

The programme concluded on a thoughtful and inspiring note with the final remarks and vote of thanks delivered by **Shri Siba Prasad Mohanty**, Head of the Department. He expressed sincere gratitude to all dignitaries, guests, faculty members, and students for their active participation. With a collective commitment to environmental protection, the session ended with a renewed sense of responsibility towards preserving the ozone layer.

## Token Of Appreciation

To mark the significance of the occasion, **Principal Shri Alok Kumar Naik** took a moment to honor the distinguished guests with tokens of appreciation, acknowledging their valuable insights and support towards the cause of ozone preservation. His words reflected both pride and hope for the institution's role in environmental awareness. Continuing the gesture, **Shri Ashutosh Naik** joined in expressing heartfelt thanks by presenting mementos to contributors and student volunteers, applauding their efforts in making the programme engaging and impactful. The atmosphere was filled with a sense of gratitude and collective purpose as the event drew towards a meaningful close.

## Key Speakers and Chairpersons

- **Shri Ashutosh Naik:** Ex- Professor, Department of Earth Science, Sambalpur University (Keynote Speaker and Chairperson)
- **Shri Alok Kumar Naik:** Principal, Government (A) College Sundargarh.(Chairperson)
- **Sri Siba Prasad Mohanty:** HOD, Department of Geology (Chairperson)
- **Smt.Pragnya Paramita Dash:** Assistant Professor, Department of Geology (Panelist and Event and Coordinator)

## Feedback and Outcome

The programme received excellent feedback for its insightful sessions on ozone preservation, particularly the role of satellites in monitoring ozone depletion. Students gained awareness about satellite-based data in climate research and expressed eagerness to act responsibly. Overall, the event inspired eco-conscious thinking and encouraged scientific curiosity among participants.

## Conclusion

The gathering culminated in a spirit of enlightenment and shared purpose. Minds were stirred, perspectives broadened, and a silent pledge echoed—to guard the Earth's invisible shield. As the curtains drew, the resonance of responsibility lingered, inspiring every heart to champion atmospheric harmony through knowledge, vigilance, and sustained eco-conscious deeds.

Bhubigyan Sangathan and the Department of Geology, Government College, Sundargarh, look forward to organizing more such sessions to nurture the academic and professional development of their students.

### **॥-VIGYAN SANGATHAN**

#### **About**

Bhubigyan Sangathan is a student-led society in the Department of Geology, Government College Sundargarh. The Bhubigyan Sangathan 2025-26 term has 25 Core members. Each team has an assigned faculty advisor, who supervises the overall activities.

#### **PERSPECTIVE**

- Empowering students of the Department of Geology at Govt. college Sundargarh through various cultural, academic, and sports events.

#### **PURPOSE**

- Our mission is to inspire, educate and collaborate, equipping our students with the skills, knowledge, and

connections needed to make a positive impact on campus and beyond.

## CONTACT US

- **Address :** Department of Geology, Government (A) College Sundargarh
- **Email :** [bhubigyansangathan@gmail.com](mailto:bhubigyansangathan@gmail.com)
- **Instagram:**  
[https://www.instagram.com/bhubigyansangathan?utm\\_source=ig\\_web\\_button\\_share\\_sheet&igsh=ZDNIZDc0MzIxNw==](https://www.instagram.com/bhubigyansangathan?utm_source=ig_web_button_share_sheet&igsh=ZDNIZDc0MzIxNw==)





