

ACTIVITY-2

National Webinar on “Significance of Ozone Layer “ on 20.09.2024

Name of the Activity	<i>Webinar on Significance of Ozone Layer</i>
Date & Time	<i>20-09-2024 From 3 to 5Pm</i>
Name of the Resource Persons	<i>1.Dr.K Jaya Chandra President of Pure Earth Foundation 2.Sri T.Vijay Kumar Retired IAS Officer</i>
No. of Staff attended	<i>15</i>
No. of Students attended	<i>48</i>
Venue	<i>Old Seminar Hall</i>

Objectives of the Webinar:

- Educate attendees about the ozone layer’s role in protecting Earth from harmful ultraviolet (UV) radiation, and the impact this has on human health, ecosystems, and climate.
- Discuss the causes and effects of ozone layer depletion, including the role of human activities and pollutants like chlorofluorocarbons (CFCs).
- Motivate students, researchers, and the general public to contribute to environmental conservation efforts and consider careers in environmental science and policy.
- Foster connections among participants, including students, educators, scientists, and policymakers, to work together towards a healthier environment.

Outcome:

- This webinar can serve as a platform to inspire positive environmental action and foster a deeper understanding of how essential the ozone layer is for life on Earth.
- Participants gain a clearer understanding of the ozone layer's role, causes of depletion, and the impact of UV radiation, fostering a more informed public.

Brief Report: In view of World Ozone Day on 16.09.2024, A National webinar was conducted on “Significance of Ozone layer” .It was organized by Dept. of Physics & Chemistry. The key speakers are :

Sri T.Vijay Kumar IAS who is an All India Service officer retired as Special Secretary, Schedule Cast development, Govt of Telangana. And Dr.K Jaya Chandra who is a Scientific consultant & Resource person in Geospatial technologies. Also Mr Jayachandra is currently serving as President of Pure Earth Foundation, Regional Director at Centre for Environment and Development, CEO of Global Information Technologies. All the staff and students actively participated in the webinar and interacted with the speakers.





Webinar Photos

WEBINAR SCREENSHOTS

Sign in YouTube

Ozone management space technology - Microsoft PowerPoint

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Views Outline

OZONE

Molecular Oxygen + SUN light

↓

Stratosphere 10% Oxygen atoms

↓

Ozone

Toxic gas (very light density),

Troposphere 10%

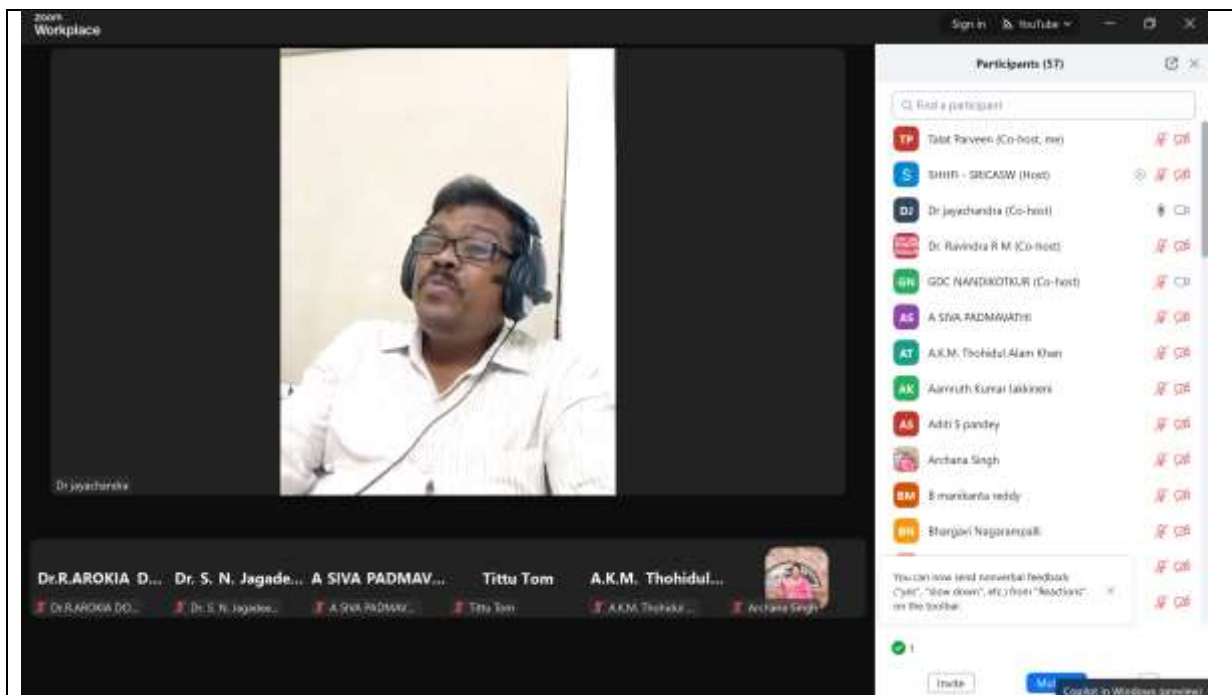
- Ozone concentration – dobson units (Dobson spectrophotometer)
- 1957-64 : 370 dobson units
- 2006-12 : 290
- 1-2% Degradation per every 10 years

The ozone layer depletion

Dr. Jayachandran K. Srinivasan

- Chemical released by human activity
- Man-made chlorine, bromine, CFCs, halons (CFCs & Halons react with ozone and deplete ozone levels causing ozone-hole)

Slide 6 of 11 100% English (United States)



Resource Person: Dr. K JayaChandra, President of Pure Earth Foundation, Hyderabad



