

# **WORLD OZONE DAY CELEBRATION REPORT 2021**



**Regional Directorate  
Central Pollution Control Board,  
Bhopal**

Life depletes when Ozone Depletes. We know that life would not be possible without the Sun. But keeping into consideration the amount of energy emanating from the Sun, it would be too much for life on earth to be sustained if it were not for the Ozone layer. Sun emits harmful ultraviolet radiation and the Ozone layer acts as a protective stratospheric shield, hence making our life as we know it possible.



16th September is observed as International Day for the Preservation of the Ozone Layer or World Ozone Day. In order to keep in check on substances that deplete the Ozone layer, a deal named Montreal Protocol was signed by almost every country in the year 1987 and subsequently, in 1994, the UN General Assembly proclaimed this day as the World Ozone Day.

### **The history of the day to preserve the future:**

The blue planet is blessed with natural substances that have kept life on this planet intact. For years now, humans have made their contribution to bringing the planet in peril and one of the examples is harming the environment as a consequence of depletion of the stratospheric layer of gas that safeguards people on earth from harmful cosmic rays.

To take actions against this, and to curb the existence of all the substances that add to the ozone depletion, Montreal Protocol came into existence where countries from across the globe decided to curb substances such as: Aerosols, Chlorofluorocarbon and Halons.

These substances are widely used for cooling and refrigerating purposes. As a result of the usage of these harmful substances, a hole in the ozone layers in Antarctica was discovered back in 1970, which ultimately led to acute global warming in the past 20 years. Although the 1985 convention that gave rise to the Montreal deal did make progress in conserving the Ozone layer and further in January 2021, the Antarctic hole caused by Ozone-depletion was finally closed as a result of the collaborative efforts by these countries, according to the World Meteorological Organization.

Ultimately, the main aim of the Montreal deal was to control, preserve and take timely measures towards curbing the consumption of substances that cause the depletion of the ozone layer.

### **The Theme for International Day for the Preservation of Ozone Layer 2021:**

The theme for 2021 for International Day for the Preservation of the Ozone Layer is ‘**Montreal Protocol -‘Keeping us, our food and vaccines cool.’** According to the official website of the UN, this year’s Ozone Day seeks to highlight the Montreal Protocol that does so much more, including, slowing climate change and helping to boost energy efficiency in the cooling sector, which contributes to food security.

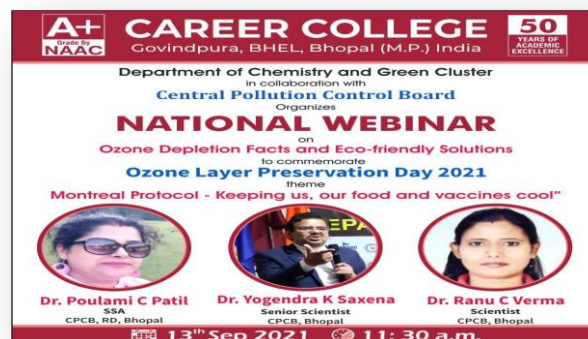
*"The Montreal Protocol and the Kigali Amendment show us that by acting together, anything is possible. So let us act now to slow climate change, feed the world's hungry, and protect the planet that we all depend on."*

## World Ozone Day Celebration at Regional Directorate, Central Pollution Control Board, Bhopal

With reference to Head Office Letter the World Ozone Day was to be celebrated with the following objectives:

- *Organizing interaction with industry to promote reduction and elimination of the chemical that destroy the ozone layer persuade them to pledge to use only ozone friendly chemicals in future.*
- *Encouraging industry consumer trade association and consumer associations to take the pledge not to import and export ozone depleting substance (ODSs) or equipment whose functioning relies on such substances.*
- *Campaigns to make every citizen, offices and industry ozone friendly by using or making only ozone friendly products.*
- *Promoting awareness among school children through virtual mode.*
- *Publishing articles in the print media to highlight the availability of ozone safe products.*
- *Holding scientific and technical webinars on ways and means of protecting the Ozone Layer.*

For fulfilling the above objectives Regional Directorate, Bhopal constituted a three member team consisting of Dr. Y. K Saxena, Sc-C, Dr. Ranu C Verma, Sc-B, Dr. Poulami C Patil, SSA for organizing the World Ozone Day Events via. Webinar, Lectures and Environmental Awareness Quiz virtually using digital platform during 11<sup>th</sup> September to 16<sup>th</sup> September, 2021 to various stake holders.



### A. Webnar on “Ozone depletion- Some Facts ” was organized by CPCB, RD Bhopal on 11<sup>th</sup> September, 2021 at Sarojini Naidu Govt. Girls (Auto.) PG College, Bhopal:



A Webnar was organized for the virtual celebration of World Ozone Day for the people of Sarojini Naidu Govt. Girls (Auto.) PG College, Bhopal. The program started with the welcome address by Dr. Ranu C Verma, Sc-B. In her introductory speech she illustrated briefly about the Ozone Depletion and its effects and also elaborated the Theme of World Ozone Day ‘Montreal Protocol – keeping us, our food and vaccines cool’.

She navigated the program enthusiastically and invited Dr. Poulami C Patil, Senior Scientific Assistant for the Power Point

Presentation on the topic **Ozone Depletion- Some Facts**. The presentation was based upon the Basics and History of Ozone Depletion and ODSs. The presentation was strongly put up with the ideas for exploring the alternative and safety groups and also the Future Plans for phasing out of ODSs. She also lighted upon the contribution of our country India and the **India Cooling Action Plan (ICAP)** launched by MoEF&CC during 2019, which aims to provide an integrated vision towards the theme of World Ozone Day 2021.



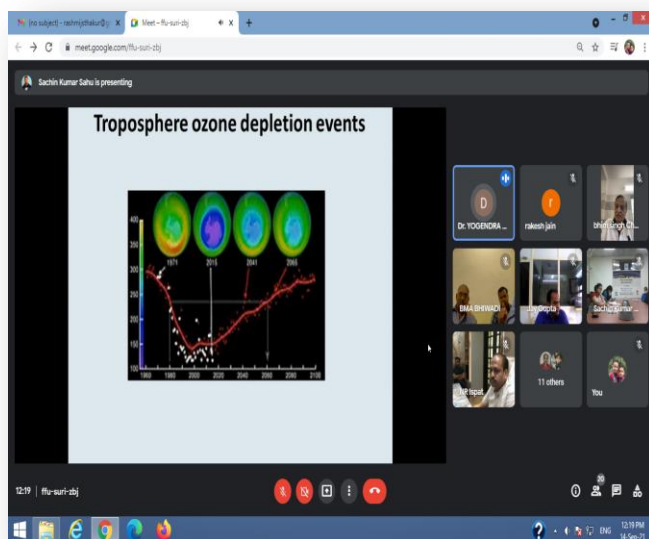
## **B. Webinar on “The Ozone Depleting Substances Rules” organised by CPCB, RD Bhopal on 13<sup>th</sup> September, 2021 at Career College, Bhopal:**

A webinar was organized for creating the awareness among the people of the Career College on the topic “The Ozone Depleting Substances (Regulations and Control) Rules, 2000 and its amendments”, the presentation was delivered by Dr. Ranu C Verma, Sc-B. She effectively explained all the points mentioned in this Rules viz. Regulation of production and consumption of ozone depleting substances prohibition on export or import from countries; Ozone depleting substances are to be exported or imported from countries specified in schedule-VI under a licence; Regulation of the sale, purchase, use of ozone depleting substances; Prohibition on new investment with ozone depleting substances; Regulation of import, export and sale of products made with or containing ozone depleting substances; Regulation on reclamation and destruction of ozone depleting substances; Regulation on manufacture, import and export of compressors; Procedure for registration, cancellation or registration and appeal against such orders; Monitoring and reporting requirements and Exemptions.



The program was concluded by summary speech delivered by Sh. P Jagan, Regional Director. He also appreciated people for their active participation. Dr. Y K Saxena, Sc-C delivered vote of thanks to all the participants and staff members of College the occasion of the World Ozone Day. He also added some examples to overcome such environmental problems.

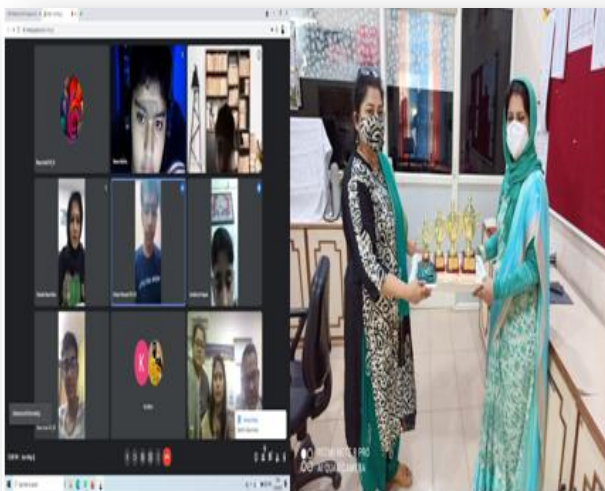
## **C. Webinar on World Ozone Day celebration on 14<sup>th</sup> September, 2021 for the Industries and Association of Industries of Madhya Pradesh, Chhattisgarh and Rajasthan:**



Next day on 14<sup>th</sup> September, 2021 the Webinar was arranged for the Industries and Association of Industries of Madhya Pradesh, Chhattisgarh and Rajasthan. The program was chaired by Sh. P Jagan, Regional Director and many members of Industries and Association of Industries of Central Zone actively participated in the Webinar. They also shared their views about the relevant topics based on the Power Point Presentation delivered on occasion of World Ozone Day and found the program fruitful and satisfactory.

**D. “Mass Awareness Program and Online Quiz Competition” was organized virtually on 15<sup>th</sup> September, 2021 with the students of Campion Senior Secondary School, Arera Colony, Bhopal :**

On 15<sup>th</sup> September, 2021 the Mass Awareness Program and Online Quiz Competition were organized among the students of Campion Senior Secondary School, Arera Colony, Bhopal. Students took keen interest in participating the program and also gained knowledge through the presentation delivered. They participated in the virtual Quiz Competition arranged via. Google Forms and won prizes. 4 Trophies and 10 Conciliation prizes were distributed. The motto of the quiz was to spread the awareness among the students about the Ozone and its importance to our environment.



**E. World Ozone Day celebration on 16<sup>th</sup> September, 2021 at Regional Directorate, Central Pollution Control Board, Bhopal.**



On 16<sup>th</sup> September, 2021 on occasion of World Ozone Day celebration the program was organized in the office of the Regional Directorate, Bhopal. The program was chaired by Sh. P Jagan, Regional Director. He elaborated the Theme of World Ozone Day ‘**Montreal Protocol – keeping us, our food and vaccines cool**’ and also enlighten its hidden meaning and discussed our part to contribute towards the environment.

Dr. Ranu C Verma, Sc-B delivered the welcome address to all officials and

invited Dr. Poulami C Patil, SSA for the Power Point Presentation on Ozone Depletion which was delivered very effectively covering all Pros and Cons regarding the ozone depletion and the future plan for overcoming this environmental problem. The Program was concluded by the summary speech delivered by Sh. P Jagan, Regional Director and Dr. Ranu C Verma, Sc-B delivered vote of thanks to all the officials on occasion of the world Ozone Day.

## **Conclusion:**

The activities, devoted to the World Ozone Day, was successful, all participants updated and learnt about global environmental problem. The occasion of celebrating the International day on Protection of Ozone Layer, 16 September 2021, will raise awareness among people to consume in a way for the environmental security; human health safety and development sustainability with the world in harmony. Apart from this, we must take up efforts and spread awareness on preserving the ozone layer. Let's take an oath to protect the ozone layer and save life on earth this World Ozone Day!

*Protect Ozone & Protect Yourself!!*

(Rashmi Thakur)  
Senior Scientific Assistant  
CPCB, RD, Bhopal

(P Jagan)  
Regional Director  
CPCB, RD, Bhopal

