



NEWS BULLETIN

Plants and Pollution

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Vol. 09, September 2020

Ozone for Life

CSIR-NATIONAL BOTANICAL RESEARCH INSTITUTE, LUCKNOW

World Ozone Day 2020: Theme, history, significance and all you need to know

India Today, 14 September 2020

World Ozone Day is observed on September 16, every year. It is celebrated to spread awareness among people about the depletion of the Ozone Layer and search for possible solutions to preserve it. On this day, people from all over the world are expected to join the Montreal protocol to join the talks and seminars. A number of commonly used chemicals have been found to be extremely damaging to the ozone layer.

Life on Earth would not be possible without sunlight. But the energy emanating from the sun would be too much for life on Earth to thrive were it not for the ozone layer. This stratospheric layer shields Earth from most of the sun's harmful ultraviolet radiation.

The Ozone layer or also known as the Ozone shield, a delicate layer of gas, in the Earth's stratosphere absorbs most of the Sun's ultraviolet rays. These rays can cause numerous skin diseases.

On December 19, 1994, the United Nations General Assembly proclaimed September 16 the International Day for the Preservation of the Ozone Layer, commemorating the date, in 1987, on which the Montreal Protocol on Substances that Deplete the Ozone Layer was signed.

On September 16, 1987, the United Nations and 45 other countries signed the Montreal Protocol, on substances that deplete the Ozone layer. Every year, this day is celebrated as the International Day for the Preservation of the Ozone layer.

The purpose of the Montreal Protocol is to protect the Ozone layer by reducing the production of substances that are supposed to be responsible for Ozone layer depletion.

"Ozone for life" is the slogan for World Ozone Day 2020. This year, we celebrate 35 years of global ozone layer protection.

The slogan of the day, "Ozone for life", reminds us that ozone is crucial for our life on Earth and we must continue to protect the ozone layer for our future generations also.

This year, we celebrate 35 years.....

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World Ozone Day 2020: Here's how we can save ozone layer from depletion

Jagran English, 15 September 2020

New Delhi | Jagran Lifestyle Desk: World Ozone Day is observed on September 16 to spread awareness about the constant depletion of the ozone layer and how it is affecting our environment. Several organisations across the globe host seminars, awareness campaigns, and create posters to tell the importance of the prevention of the ozone layer for our future generation.

The ozone layer is a stratospheric shield that protects the Earth from the sun's harmful ultraviolet radiation. But, the chemicals, pollutions and harmful gases generated from factories, ACs, refrigerators and others are intensely damaging the ozone shield. So, we can follow these 5 easy steps to slow down its depletion

1. Maintain your ACs and refrigerators: The ACs and refrigerators need regular maintenance as their malfunctioning can release CFCs (chlorofluorocarbons) in the air which is extremely harmful to the ozone layer.
2. Reduce consumption of dangerous gases: While cleaning, working in chemical factories and at other places we should reduce the use of harmful gases like halogenated hydrocarbon, CFCs, methyl bromide and nitrous oxide. We can replace our cleaning agents with non-toxic products such as vinegar or bicarbonate.
3. Carpooling and local shopping: We all know that air pollution is the biggest reason for ozone depletion. With a few changes in our lifestyle, we can preserve our civilisation on Earth. People can use public transport instead of their private vehicles. It will not just protect the environment but also help you to save more money. People can also opt for local shopping. It will help in maintaining local merchants and reduce unnecessary travelling.....

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World Ozone Day 2020: Montreal Protocol turns 33, celebrating a success in the making

Times Now News, 16 September 2020

New Delhi: Back in 1987, the member countries of the United Nations on September 16 signed the Montreal Protocol under the Vienna Convention to protect the atmospheric ozone layer by limiting and ultimately phasing out the production and consumption of ozone-depleting substances. Little would they have thought that their collective decision and subsequent actions would begin to heal the earth's protective shield of gas in three decades. World Ozone Day, observed on September 16 every year, commemorates the Montreal Protocol as it was adopted on this date and also celebrates its achievements.

Scientists, in the 1970s, found that man-made chemicals like hydrochlorofluorocarbons, which were then widely used in refrigerators, air conditioners, and aerosol cans, were thinning the ozone layer which protects the earth from harmful ultraviolet solar radiation. This prompted the world's governments to adopt the Vienna Convention for the protection of the ozone layer in 1985 and then the Montreal Protocol under the convention in 1987.

The Montreal Protocol sets a timetable to cut production and consumption of ODSs. According to the UN, most developed and developing nations adhered to the timetable and some even achieved the targets ahead of the phase-out schedules.

The Montreal Protocol and the Vienna Convention, on September 16, 2009, became the first treaties in the UN's history to achieve universal ratification, with all member states collectively making efforts to protect the ozone layer.

The UN says the Montreal Protocol has led to the phase-out of 99 per cent of ODSs worldwide. And, since 2000, the layer has healed at a rate of 1-3 per cent every ten years; therefore, the UN Environment Programme believes northern hemisphere ozone would completely repair by the 2030s and the southern hemisphere ozone would be healed by the 2050s.

Scientific evidence suggests that besides helping the regeneration of ozone, the Montreal..... [Read More...](#)

World Ozone Day 2020: 35 Years of International Day for the Preservation of the Ozone Layer

News18 India, 16 September 2020

September 16 is celebrated as World Ozone Day across the world to aware people about the depletion of the Ozone Layer and its impact on life.

The Ozone layer is a delicate layer of gas in the Earth's stratosphere that absorbs most of the Sun's ultraviolet rays and other harmful rays. These rays can cause numerous skin diseases like cataracts and skin cancer.

In 1976, it was found that the chemicals released by industry, mainly chlorofluorocarbons (CFCs), cause depletion of the ozone layer. Depletion in the Ozone layer caused an increase in UV radiation, which is a threat to life on Earth. This research led to ban the chemicals and as a result of it, ozone depletion was slowed.

The Ozone layer is made up of O₃ gas which is like a shield to an atmosphere that has high ozone concentrations.

The slogan for World Ozone Day 2020 is "Ozone for life". This year marks the 35 years of global ozone layer protection. The slogan of the day, "Ozone for life", is kept to remind the importance of Ozone shield for the existence of life on Earth.

As the world is celebrating 35 years of International Day for the Preservation of the Ozone Layer, #ozone day 2020 is trending on Twitter. Ministry of Housing And Urban Affairs tweeted, "India is ensuring the use of eco-friendly, sustainable and innovative solutions for Transforming Urban Landscape. This World Ozone Day, let us all pledge to contribute every bit we can to 'protect the protector' of planet #Earth. #OzoneDay #OzoneDay2020 #AatmaNirbharBharat"..... [Read More...](#)