

**SGK GOVERNMENT DEGREE COLLEGE
VINUKONDA, PALNADU DISTRICT**



WORLD OZONE DAY

16TH SEPTEMBER 2024

DATE: 26.06.2024

TIME: 12.10 PM

CONDUCTED BY

ECO CLUB & DEPARTMENT OF SCIENCES

Ozone Day

International Day for the Preservation of the Ozone Layer: Theme

The theme announced by the UN Environment Programme for International Day for the Preservation of the Ozone Layer 2022 is “Global Cooperation Protecting Life on Earth”. The Montreal Protocol’s impact is recognized with this theme and brings to notice the “need to act in collaboration, forge partnerships and develop global cooperation to address climate challenges and protect life on earth for future generations.

International Day for the Preservation of the Ozone Layer: History

The United Nations General Assembly proclaimed September 16 as the International Day for the Preservation of the Ozone Layer in 1994. This was done to commemorate the date of the signing of the “Montreal Protocol on Substance that Deplete the Ozone Layer” by the governments of 46 nations around the world in 1987. It was also known as the “Montreal Protocol”.

What is Ozone Layer?

The ozone layer, a fragile shield of gas, protects the Earth from the harmful portion of the rays of the sun, thus helping preserve life on the planet. The phase-out of controlled uses of ozone depleting substances and the related reductions have not only helped protect the ozone layer for this and future generations, but have also contributed significantly to global efforts to address climate change; furthermore, it has protected human health and ecosystems by limiting the harmful ultraviolet radiation from reaching the Earth.

Report of the Event

The Eco Club, in association with the Department of Sciences at S.G.K. Government Degree College, celebrated International Day for the Preservation of the Ozone Layer on September 16, 2024, in the Seminar Hall of the College. The event was organized to raise awareness about the importance of protecting the ozone layer and to celebrate the 35th anniversary of the Montreal Protocol.

The event was attended by several distinguished dignitaries, including the Principal, Dr. K. Srinivasa Rao, who chaired the session. The IQAC Coordinators, Dr. K.V.S.

Koteswara Rao and B. Mani Kumar, also graced the occasion. The Eco-Club Coordinator and Lecturer in Botany, D. Siva Phanindra, played a key role in organizing the event. Several esteemed lecturers from various departments were present, including B. Nageswara Rao, Lecturer in Physics; V. Bala Yesu, Lecturer in Chemistry; Dr. Ch. Srimannarayan, Lecturer in Mathematics; G. Anjaiah, Lecturer in Economics; and M. Peekna Naik, the Librarian. These individuals contributed significantly to the event, making it an insightful and engaging session for all attendees.

The event was attended by students from all science streams, who actively participated in the discussions and activities aimed at promoting environmental awareness. Various presentations were made by the faculty and students, highlighting the significance of the ozone layer, the success of the Montreal Protocol, and the need for continued global cooperation to safeguard the Earth's protective shield.

The event served as an important reminder of our collective responsibility to protect the ozone layer and, by extension, the health and future of our planet. It encouraged students and faculty alike to continue advocating for environmental preservation and sustainable practices in their daily lives.

Dr. K.Srinivasa Rao, Principal of the College and Chairman of the Programme, highlighted the significance of the **Montreal Protocol**, which was signed on September 16, 1987. He emphasized that the agreement, with 197 member countries, has been instrumental in phasing out ozone-depleting substances and helping heal the ozone layer, leading to the protection of human health, ecosystems, and economies. Additionally, he pointed out the Montreal Protocol's role in addressing climate change.

Dr. K.V.S. Koteswara Rao, IQAC Coordinator and Keynote Speaker, explained the **structure of ozone**, distinguishing between its beneficial role in the stratosphere (where it protects life from harmful UV rays) and the harmful effects of ground-level ozone (which is detrimental to human health and vegetation).

Sri B. Mani Kumar, Eco Club Coordinator and Lecturer in Botany, spoke about the importance of the **Eco Club** in raising environmental awareness and its efforts in promoting the responsible use of electronic gadgets and sustainable practices. He encouraged students to engage with the community and adopt green behaviors.

Sri V. Bala Yesu, Lecturer in Chemistry, welcomed the participants and discussed the importance of **Ozone Day** and practical ways to reduce ozone depletion, such as avoiding the use of items containing HFCs.

Sri D. Sivaphanindra, Lecturer in Computer Science, elaborated on the **Ozone Hole**, explaining its causes and the significance of the term "ozone" (derived from the Greek word *ozein*, meaning "to smell"). He shared a cartoon to make the concept more engaging and relatable for the students.

Sri B. Nageswara Rao, Lecturer in Physics, concluded the session by urging students to take action against ozone depletion. He advised reducing the use of CFC-containing products, minimizing private vehicle use, and maintaining air conditioners to prevent refrigerant leakage.

The event effectively raised awareness among students about the ozone layer's importance and the collective responsibility to protect it.

Essay Writing Competition – Ozone Day Celebrations

As part of the Ozone Day Celebrations, an Essay Writing Competition was organized to promote awareness among students about the importance of protecting the ozone layer and preserving our environment for future generations. The event aimed to encourage students to research, reflect, and articulate their thoughts on environmental conservation, climate change, and the critical role of the ozone layer in sustaining life on Earth.

The participants submitted essays that highlighted various topics such as the causes and consequences of ozone depletion, the success of international efforts like the Montreal Protocol, sustainable lifestyle choices, and the role of youth in environmental stewardship. The essays reflected a strong grasp of the subject matter, analytical thinking, and a sincere commitment to environmental values.

Student Participation List:

1. Kancharla Dhanalakshmi – III B.Sc. (B.Z.C)
2. Shaik Haseena – III B.Sc. (B.Z.C)
3. Yepuri Siva Nagamani – III B.Sc. (B.Z.C)
4. Kovelamudi Sowmya – III B.Sc. (B.Z.C)
5. M. V. Bhargavi – I B.Sc. Honours Chemistry
6. Ambadipudi Anusha – II B.Sc. Honours Chemistry
7. Mondithoka Hemalatha – II B.Sc. Honours Chemistry
8. Y. Eswaramma – II B.Sc. Honours Chemistry
9. Ch. Anusha – II B.Sc. Honours Chemistry
10. Kaluva Srilatha – II B.Sc. Honours Chemistry
11. Kalva Vasu – II B.Sc. Honours Chemistry
12. Kalva Raviteja – II B.Sc. Honours Chemistry
13. Poleboina Ravi Teja – I B.Sc. Honours Chemistry
14. Mannem Ravi Teja – I B.Sc. Honours Chemistry

Prize Winners:

- **First Prize:** Ambadipudi Anusha – II B.Sc. Honours Chemistry
- **Second Prize:** P. Ravi Teja – I B.Sc. Honours Chemistry

The winning essays were praised for their clarity of thought, well-researched content, and persuasive writing. Judges commended the participants for their commitment to raising awareness about environmental conservation. All participants were appreciated for their thoughtful contributions and active engagement in the celebrations.







