

“Advancing Climate Action for the Preservation of the Ozone Layer”

Preamble:

Arranged a Guest Lecture on “*Advancing Climate Action For the Preservation of the Ozone Layer*” on 16th September 2024.

Participants:

200 Students of Science and Arts.

Resource Person:

Dr. P. BRAHMAJI RAO, Associate Professor & Head, Dept. of Environmental Sciences, Acharya Nagarjuna University, Guntur, AP.

Description of the Programme:

The Department of Chemistry, on the occasion of *World Ozone Day* organized a Gust lecture titled “*Advancing Climate Action for the Preservation of the Ozone Layer*” for first and second-year Science students. This guest lecture was organized to raise awareness about the significance of the ozone layer, its formation, depletion, and the steps we can take to protect it. The resource person provided valuable insights on the topics like Ozone Layer and its Formation, Depletion of the Ozone Layer, Causes of Ozone Layer Depletion and Control Measures to Protect the Ozone Layer. The resource person clearly explained about the ozone layer, located in the Earth's stratosphere, shields us from harmful ultraviolet (UV) radiation by absorbing it. However, chemicals like chlorofluorocarbons (CFCs) and halons have caused its depletion over the years. These substances release chlorine and bromine, which break down ozone molecules. To combat this, the Montreal Protocol was established to phase out the use of ozone-depleting substances. The resource person stressed the importance of using eco-friendly alternatives and promoting awareness to protect the ozone layer for future generations. In conclusion, the lecture emphasized the critical role the ozone layer plays in protecting life on Earth and highlighted the responsibility each individual and nation has in safeguarding it for future generations. At the end of the session resource person distributed the prizes to the winners of Elocution competition conducted by the department.



