Dr. Ambedkar College Deekshabhoomi, Nagpur

Department Of Chemistry

Date: 14/09/2021

World Ozone Day-2021

The **Chemistry Department** of the college has organized Guest lecture to celebrate virtually the" **World Ozone Day-2021**" on 16th September.

The guest speaker is Dr. P.R. Chaudhari Deputy Director& Scientist CSIR NEERI, Nagpur.

The Topic of the Lecture is "Environmental and Health Aspects of stratospheric Ozone Layer Depletion".

All the Chemistry Students and Faculties are requested to attend the Guest lecture on Zoom Link sharply at 2.00 pm on 16 /09/2021.

Joining Link

https://us06web.zoom.us/j/87826457068?pwd=ZmhnMmFCWGl6bzgvWmJnMFNzaW82QT09

Program Coordinator

Dr.V.M. Shivankar

Professor

Department of Chemistry

Head

Leho

Dr.D.Y. Panhekar

Professor

Department of Chemistry

Principal

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Dr. Mrs.B. A. Mehere Officiating Principal, Dr. Ambedkar College, Deekshabhoomi, NAGPUR,



Dr. Ambedkar College, Deekshabhoomi,

Virtual Celebration of

World Ozone Day 2021

Organized by

Department of Chemistry,

Dr. Ambedkar College, Deekshabhoomi, Nagpur

Date: 16th Sep 2021 (Thursday) **Time: 2:00 PM**



Guest Lecture on

Environmental and Health Aspects of Stratospheric Ozone Layer Depletion

By

Dr. P. R. Chaudhari Ex-Deputy Director & Sr. Scientist CSIR-NEERI, Nagpur (Resource Person)

Joining Link

https://us06web.zoom.us/j/87826457068?pwd=ZmhnMmFCWGl6bzgvWmJnMFNzaW82QT09

Dr. V. M. Shivankar Professor Department of Chemistry Program Coordinator

Dr. N. G. Telkapalliwar Associate Professor Department of Chemistry Program Co-Coordinator

Dr. R. C. Sawant Assistant Professor Department of Chemistry

Dr. D. Y. Panhekar Professor and Head Department of Chemistry

Dr. Mrs. B. A. Mehere Principal

Dr. Mrs. D. M. Borikar Associate Professor Department of Chemistry Program Co-Coordinator

Mr. Parag Panse Assistant Professor Department of Chemistry



Dr. Ambedkar College, Deekshabhoomi, Nagpur Report

World Ozone Day 2021

Organized by

Department of Chemistry

The Chemistry Department of the college has organized World Ozone Day 2021 on 16th September 2021 at Dr. Ambedkar College Deekshabhoomi, Nagpur. The Chief Guest for this function was Dr.P.R. Chaudhari, Ex Director & Scientist NEERI Nagpur.

The Topic for this lecture was "Environmental and Health Aspects of Stratospheric Ozone Layer Depletion "The Principal of the college Dr.Mrs. B.A. Mehere has chair this function. Dr. V.M. Shivankar, Professor Department of Chemistry was the Program Coordinator. Faculties of the Department and more than 200 Chemistry students were attended this virtual celebration program of World Ozone Day 2021. Dr. Mrs. B.A. Mehere has given welcome address.

Dr.P.R. Chaudhari in his lecture cover all points regarding Environmental imbalance, said that environmental & Health Aspects of Stratospheric Ozone layer Depletion. Also explain importance of the Ozone layer. Ozone layer is a stratosphere which is layer of atmosphere around the earth. Colour of layer of atmosphere can be seen from interaction space station.

He also explained about Ozone which is highly reactive form of oxygen. O3 exist in both Tropospheric and Stratospheric zones of earth atmosphere and how there is formation of ozone in Troposphere has shown highest ozone level recorded at various place in India. He focusses on Health effect of Tropospheric ozone. There is formation and Depletion of O3 layer 5.48 min.

He has shown videos of ozone layer Depletion which was very informative. Overall ozone layer is around the earth. Average thickness of ozone layer is 300 Dobson unit or 30 mms thick. He explained cause of degeneration of Ozone of Ozone layer. The rate of breakdown is faster than the formation therefore it layer becomes thin CIFC, BrFCs Nitrous oxide deplete the Ozone layer, these are widely used electronic instruments in Ac, Fridge, Car etc. Chemical reactions of CIFCs deplete the Ozone layers.

Dr. P.R. Chaudhari also suggest the remedies on this how to solve problems of Ozone destruction. He has given the statistical data and up to 50 percent destruction of CIFC by 1918. He explained the impact of Ozone layer depletion causes Skin cancer and genetic damages.

UV radiation in sun light and Health impact of UV radiation on human life. Finally, he said that Ozone hole is responsible to climate change ang Global warming.

After his very informative lecture Dr. V.M. Shivankar has given the vote of thanks. All Chemistry faculties Dr. D.Y. Panhekar, Dr. N.G. Telkapalliwar., Dr.Mrs. D.M. Borikar, Dr. Sawant and Prof. Parag Panse has attended this program. More than hundred and fifty students have attended this guest lecture.

Photographs of the program



































