

Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

Department of Physics

A Summary Report of the Activity

1) Title of Programme:	One-Day workshop on "Relation between variation of stratospheric ozone and climate change over India"			
2) Name of Organizing Department/Unit:	Physics			
3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme:	Dr. Dada P. Nade (Convener) Mr. Y. C. Dhulgand (Coordinator)			
4) Date(s) of the Programme:	7 th November 2022			
5) Venue/Mode:	Online			
6) Target Group:	B.Sc. III students, Research Students			
7) Number of Participants:	Male	Female	Total	
A separate list with signatures be maintained in the department/Unit)	Teaching	03	00	03
	Non-Teaching	--	--	--
	Students	17	24	41
8) Name(s) and details of Resource Person(s), if any:	Dr. (Smt.) S. Fadnavis Scientist F, IITM, Pune			


HEAD,
Department of Physics
Dr. Patangrao Kadam Mahavidyalaya
SANGLI 416 416




(Dr. D. G. Kanase)
PRINCIPAL,
Dr. Patangrao Kadam Mahavidyalaya,
Sangli - 416416 (Sangliwadi)

A report on One-Day workshop on “Relation between variation of stratospheric ozone and climate change over India”

A One-Day workshop on “Relation between variation of stratospheric ozone and climate change over India” that took place on 7th November 2022 in the Department of Physics. The lecture was presented by Dr. (Smt.) S. Fadnavis, Scientist F, IITM, Pune.

Objective of the workshop:

The primary objective of this workshop was to discuss each and every aspect of the relation between variation of stratospheric ozone and climate change over India.

Key Points and Topics Covered in the workshop:

- stratospheric Ozone Depletion:
- Influence on Monsoon Dynamics:
- Ozone and Temperature Pattern:
- Regional Variability:
- Research and Modelling:
- Air Quality and Climate Change:

Dr. Dada P. Nade introduced the resource person and theme of the guest lecture. Dr. (Smt.) S. Fadnavis, Scientist F, IITM, Pune was the resource person. She highlighted detailed knowledge on Relation between variation of stratospheric ozone and climate change over India. Mr. N. N. Natke was also present for the workshop. Mr. Y. C. Dhulgand gave vote of thanks of this workshop.

Date: 07/10/2022


HEAD,
Department of Physics
Dr. Patangrao Kadam Mahavidyalaya
SANGLI 416 416




(Dr. D. G. Kanase)
PRINCIPAL,
Dr. Patangrao Kadam Mahavidyalaya,
Sangli - 416416 (Sangliwadi)

One-Day workshop on “Relation between variation of stratospheric ozone and climate change over India”
Department of Physics

Photographs of the Event :

Powered by StreamYard

Ozone (O₃)

- The word ozone comes from the Greek word ozein, meaning "to smell." Ozone has a pungent odor.
- Ozone was discovered in 1839 by professor Schoenbein at the University of Basel, Switzerland.
- Ozone is a highly reactive gas composed of three oxygen atoms.
- It is natural occurring in the stratosphere (16-40 km) and is produced by a man-made activities that in the troposphere (0-16km).
- Tropospheric ozone is produced naturally during lightning.
- Ozone affects life on the Earth in either good or bad ways depending on the layer of atmosphere it present.

World ozone day Dr. Pa... Sangli suvarna@tropmet.res.in

Powered by StreamYard

Ozone hole

- ❖ The ozone hole is a region of exceptionally depleted ozone (<220 DU) in the stratosphere over the Antarctic that happens at the beginning of Southern Hemisphere spring (August–October).
- ❖ Researchers at the British Antarctic Survey discovered the ozone hole in 1985.
- ❖ Size and depth of ozone hole is determined every year.
- ❖ The depth of the ozone hole is the lowest ozone column value in **Dobson Units** for higher latitudes to 30° South.
- ❖ The size of the ozone hole is the area on the globe in million square km of ozone column values below 220 DU.
- ❖ The ozone loss is the amount of ozone in megaton necessary to fill the ozone hole to 220 DU over the whole area.

Total ozone (DU) / Ozone total (DU), 2006/09/10


 HEAD,
 Department of Physics
 Dr. Patangrao Kadam Mahavidyalaya
 SANGLI 416 416


 (Dr. D. G. Kanase)
 PRINCIPAL,
 Dr. Patangrao Kadam Mahavidyalaya,
 Sangli - 416416 (Sangliwadi)



One-Day workshop on "Relation b... of stratospheric ozone and climate
 Department of Physics

One-Day workshop on "Relation between variation of stratospheric ozone and climate change over India"
Department of Physics