

A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (A),

KAKINADA - 533002, EASTGODAVARI, ANDHRA PRADESH

Department of Chemistry



WORLD OZONE DAY CELEBRATIONS

16.09.2023

INVITATION



శ్రీ విద్యా ప్రవర్ధతాం

The Department of Chemistry of A.S.D.Govt.Degree College for Women(A) has been pleased to Organize a International Ozone day Celebrations on dt. 16.09.2023 at 10-00 A.M. at the

SEMINAR HALL

on the

TOPIC

“World’s Ozone Day”

By

Dr.N.Bujji babu


Lecturer in Chemistry

P.R.Govt.College(A), Kakinada

“All the faculty members are requested to attend the Lecture”

We request the In-charges of the concerned departments to give permission to the students to attend for the International Ozone day Celebrations.

Department of Chemistry
A.S.D.Govt.Degree College for Women(A),
Kakinada.


Principal
A.S.D.Govt.Degree College for Women(A),
Kakinada

CIRCULAR

Station: Kakinada,


Date: 14-09-2023

In connection with the International Ozoneday Celebrations, the Department of Chemistry wishes to organize "Poster Presentation, Quiz, Oral Presentation & Essay Writing" for I,II & III B.Sc, Students in Chemistry Lab at 10-00AM on Dt.15.09.2023. All the concerned Lecturers are requested to give permission to the I, II, III B.Sc. students to participate in these Competition. Interested students can give their names to Smt.M. Subbalakshmi, Contract Lecturer in Chemistry on or before Dt. 14.09.2023PM.

1. **Poster Presentation : Topic – "Any topic related to control pollution like Green Chemistry, nanotechnology"**
2. **Oral Presentation(Elocution): Your role in sustainable Environment.**
3. **Essay Writing : Environmental Challenges and remedies for sustainable future.**
4. **Quiz : Environmental Science.**


Convenor : Dr. K.Anitha

Members : Dr.K.Jhansi Lakshmi
Ms. P.Leena
Ms. M.Subbalakshmi.


PRINCIPAL
A.S.D.GOV.T.DEGREE COLLEGE (M)
AUTONOMOUS
KAKINADA

A.S.D.GOV.T. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

LIST OF TEACHING STAFF

S.No	Name of the Employee	Designation	Signatures
1	Dr. V. Anantha Lakshmi	Principal	V. Anantha Lakshmi
2	M.Suvarchala	Lec. in Home Science	M. Suvarchala
3	Dr. P.Sanjatha	Lec. in English	
4	Dr. P.Santhi	Lec. in English	P. Santhi
5	Dr. D.Krishna Gayatri	Lec. in Telugu	D. Krishna Gayatri
6	Dr.P.Nagamallika	Lec. in Telugu	P. Nagamallika
7	Dr. K.Syamala Devi	Lec. in Telugu	K. Syamala Devi
8	A.Swathi	Lec. in Hindi	A. Swathi
9	P.Mallikarjuna Sharma	Lec. in Chemistry	
10	Dr. K.Jhansi Lakshmi	Lec. in Chemistry	K. Jhansi Lakshmi
11	Dr. K.Anitha	Lec. in Chemistry	
12	P. Leena	Lec. in Chemistry	P. Leena
13	K.N.V.S.N.Eswari	Lec. in Botany	K. N. V. S. N. Eswari
14	Dr. M.Sulakshna	Lec. in Botany	M. Sulakshna
15	K.Venkateswara Rao	Lec. in Physics	
16	B.Suryanarayana Devara	Lec. in Physics	B. Suryanarayana Devara
17	D. Jaya Sri	Lec. in Microbiology	D. Jaya Sri
18	M.Vasantha Lakshmi	Lec. In Zoology	M. Vasantha Lakshmi
19	S. Madhavi	Lec. In Zoology	S. Madhavi
20	Dr. K. Lavanya	Lec. In Home Science	K. Lavanya
21	Dr. G. Anitha	Lec. In Home Science	G. Anitha
22	Y.Sita Maha Lakshmi	Lec. In History	Y. Sita Maha Lakshmi
23	Dr. K. Yamuna	Lec. In Economics	K. Yamuna
24	G.Pavani Devi	Lec. In Economics	
25	N.N.Subramanyeswari	Lec. In Computer Science	
26	R.R.D. Sirisha	Lec. In Commerce	R. R. D. Sirisha
27	N.P.V.L.Devi	Lec. In Commerce	N. P. V. L. Devi
28	Dr.G.Sowjanya	Lec. In Commerce	Dr. G. Sowjanya
29	G.Pramilarani	Physical Director	G. Pramilarani

A.S.D.GOV.T. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

LIST OF CONTACT FACULTY/ GUEST FACULTY

S.No	Name of the Employee	Designation	Signatures
1	M.Subba Lakshmi	C/F in Chemistry	M. Subba
2	P.Rajya Lakshmi	C/F in Commerce	
3	K.N.B.Kumari	C/F in Commerce	K.N.B. Kumari
4	K.Kranthi	C/F in Physics	K.Kranthi
5	L. Malleswari	C/F in Home Science	
6	V.Venkata Ramana	JKC Mentor	V.V. Ramana
7	P.Bhuvanewari Devi	G/F in Politics	P.B. Devi
8	M. Pushpa Latha	G/F in Commerce	
9	A.Sandhya	G/F in Commerce	A. Sandhya
10	N.Pushpa	G/F in Botany	N. Pushpa
11	K.Surya Lakshmi	G/F in Computer Science	K.S. Lakshmi
12	R.Aruna Devi	G/F in Sanskrit	R. Aruna Devi
13	N.Veera Chanti	G/F in Aquaculture Zoology	N. Veera Chanti
14	A.K.V. Acharyulu	G/F in Library and Inf. Science	A.K.V. Acharyulu
15	L.Bhanu Teja	G/F in History	L. Bhanu Teja
16	MD. Hazara Parveen	G/F in Commerce	MD. Hazara Parveen
17	V. Srinivas	G/F in Commerce	V. Srinivas
18	M.Sreeramulu	G/F in Economics	
19	Geetha	G/F in Maths	G. Geetha
20	Sridevi	G/F in Maths	S. Sridevi
21	Praanna Sri	G/F in Botany	P. Pranna Sri
22	D.V.S. LAKSHMI	C/F in PHYSICS	D.V.S. Lakshmi
23	Ch. SSV. Prasad	G/F in Commerce	Ch. SSV. Prasad

24. B. N. Prathyasha C/F in English B.N. Prathyasha

ASD Govt. Degree College for Women (A), Kakinada

From

To

Principal

The Principal

ASD Govt. Degree College for Women(A)

P.R Govt. College(A),

Kakinada.

Kakinada.

Respected Sir,

Sub: Request to depute Dr N.Bujji babu, Lecturer in Chemistry as resource person on the occasion of "Worlds Ozone Day" on 16th September at 10 am-
Reg.

It is pleased to invite Dr N.Bujji babu, Lecturer in Chemistry as resource person for guest lecture on the occasion of "Worlds Ozone Day" on 16th September 2023 at 10 am in ASD Govt. Degree College for Wowen (A), Kakinada.

You are requested to depute Dr N.Bujji babu, Lecturer in Chemistry to acts as resource person for this guest lecture.

Thanking You

Your's Sincerely

V. Ananta Babu
14/9/23

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A.S.D.GOV.T.DEGREE COLLEGE FOR WOMEN (A)
DEPARTMENT OF CHEMISTRY
INTERNATIONAL OZONE DAY CELEBRATIONS

* PROGRAMME SCHEDULE *

- Welcoming Guests on to the Dais
- Prayer by Students
- Opening Remarks by Principal
- Message by Dr.K.Anitha
- Invited talk by Chief Guest
- **Activities:**
 1. Oral Presentation (Elocution) on 'Your role in sustainable Environment'
 2. Quiz : Environmental Science.
 3. Essay Writing : Environmental Challenges and remedies for sustainable future.
 4. Poster Presentation : Any topic related to control pollution like Green Chemistry, Nanotechnology etc..
- Feedback from Students
- Prizes Distribution
- Vote of Thanks by Ms.P.Leena
- National Anthem

ఓజోన్ పరిరక్షణ దినోత్సవం

జనసేన ప్రతినిధి, కాకినాడ): ఏ ఎస్ డి. మహిళా కళాశాల రసాయన
స్త్ర విభాగం అధ్యర్థంలో. ప్రిన్సిపల్ డాక్టర్ వి అనంతలక్ష్మి అధ్యక్షతన
ఓజోన్ పరిరక్షణ దినోత్సవం నిర్వహించబడింది ఈ కార్యక్రమానికి ముఖ్య
గా స్థానిక పిఆర్ ప్రభుత్వ కళాశాల (స్వయం ప్రతిపత్తి) రసాయన
స్త్ర అధ్యాపకులు డాక్టర్ ఎం యిచ్చిబాబు వ్యవహరించారు. ఈ
క్రమంలో రసాయన శాస్త్రం హెచ్. ఓ. డి డాక్టర్ కే. అనిత ఓజోన్
ముఖ్యతను వివరించారు. ఈ సందర్భంగా విద్యార్థులకు ఓజోన్
రక్షణపై అవగాహన కల్పించడానికి క్విజ్, ఎలక్షన్, వ్యాసరచన, పోస్టర్
కంటెస్ట్ వంటి అంశాలు లో పోటీలు నిర్వహించారు.
బుపొందిన విద్యార్థులకు ప్రిన్సిపల్ మరియు యిచ్చిబాబు చేతుల
మీదగా బహుమతి ప్రధానం చేశారు కార్యక్రమంలో అధ్యాపకులు 100
మంది విద్యార్థులు పాల్గొన్నారు.



A.S.D Government Degree College for Women (A) Kakinada

Report on International Ozone Day Celebrations

Introduction:

On September 16, 2023, ASD Govt. Degree College for Women in Kakinada marked the International Day for the Preservation of Ozone Layer, commonly known as Ozone Day, with a comprehensive event aimed at fostering awareness and engagement in environmental sustainability. The distinguished individuals, namely Dr. K. Anitha, Head, Department of Chemistry took an initiation towards the Celebrations and Dr. K. Jhansi Lakshmi, P. Leena, and M. Subbalakshmi, actively contributed to the successful execution of the scheduled activities during the event. Their active participation significantly enriched the overall experience and outcome of the Ozone Day celebration.

Events and Themes:

The chemistry department curated a diverse set of events :

Oral Presentation (Theme: Your role in a sustainable environment):

Participants shared insights on individual contributions to sustainability.

Quiz (Theme: Environmental Science):

A challenging quiz tested participants' knowledge of environmental science.

Essay Writing (Theme: Environmental Challenges and Remedies for Sustainable Future)

Students expressed perspectives on environmental challenges and proposed sustainable solutions.

Poster Presentation (Theme: Control Pollution like Green Technology, Nanotechnology, etc.):

Visual displays showcased innovative pollution control methods.



Prize Distribution:

Winners of each event received prizes, reinforcing a culture of academic and creative excellence.

Oral Presentation :

1. B. Madhusri (Bsc(CS))
2. sd. Koshima (Bsc(CS))
3. O. Ramya sri (Bsc zoology)

Essay Writing :

1. K. Anitha (Bsc chemistry)
2. B. Madhusri (Bsc CS)
3. M. Akhila (Bsc CS)

Quiz :

1. Vasavi Vanaka (Bsc zoology)
2. M. Akhila, (Bsc(CS))
3. Y. Sachitha devi (Bsc CS)

Poster Presentation :

1. K. Durga Maheswari
2. Ramya sri (Bsc zoology)
3. M. Vamsikitha (Bsc CS)

Key Addresses:

The Head, Department of Chemistry, Dr.K.Anitha highlighted the effects caused due to depletion of the ozone layer, and the distinguished chief guest, Dr.N.Bujji Babu, Lecturer in Chemistry, PR Degree Government College, Kakinada, shared insights about the importance of protection and the effects of the ozone layer and global theme, "Fixing the Ozone layer and reducing Climate Change."

Participation:

It is noteworthy that the event witnessed substantial student engagement, with more than 100 students actively participating in all the scheduled activities. This robust involvement underscores the profound interest and commitment of the student body toward the subject matter, reflecting a commendable enthusiasm for environmental awareness and sustainability initiatives. The event garnered active involvement from the Principal Dr. V. Anantha Lakshmi and Vice-Principal M. Suvarchala, students, teaching and non-teaching staff, illustrating a collective commitment to environmental consciousness.

Conclusion:

The celebration of Ozone Day at ASD Govt. Degree College for Women was a huge success. The event imparted knowledge, raised awareness, and fostered a sense of responsibility towards environmental conservation. The enthusiastic participation of the college community affirmed the institution's commitment to nurturing environmentally conscious citizens. The event served not only as an educational platform but also as an inspiration, making a significant contribution to the global efforts to protect the ozone layer and mitigate climate change. Overall, it was a great initiative towards environmental preservation.



Quiz Conducted on 15/09/2023



Keynote Address by Dr.K.Anitha, Head, Department of Chemistry



1, near Womens College, Jagannaickpur, Kakinada, Andhra Pradesh
533002, India

Latitude
16.93996863439679°

Longitude
82.23852454684675°

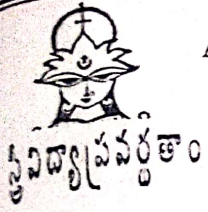
Local 03:17:55 PM
GMT 09:47:55 AM

Altitude 7 meters
Saturday, 16.09.2023

Guest Lecture by Resource Person Dr.N.Bujji Babu



Prize Distribution for Winners



A S.D.GOV.T.DEGREE COLLEGE FOR WOMEN(A), KAKINADA
DEPARTMENT OF CHEMISTRY
STUDENTS WHO ATTENDED IN THE PROGRAMME

Sl.No.	Signature of the Student	Sl.No.	Signature of the Student
1	P. charmi	21	B. satya
2	P. srutha	22	Sd. Karishma
3	O. Chinnori Harshitha	23	R. Gayatri
4	A. Hemasathyasri	24	A. Anusha
5	MD. farzana	25	K. Archana
6	K. malleeswari	26	L. SUVARNA Kumari
7	M. Varalakshmi	27	B. Venkatalakshmi
8	P. Sushma	28	p. SriLatha
9	K. Veerendramoni	29	N. Lakshmi
10	Md. Ahomadhumisha	30	G. saileja
11	G. JASMIN	31	D. Vijaya Kumari
12	G. Devi sri	32	N. Lakshmi
13	P. Ramya	33	S. Venu idu
14	K. Akanksha	34	K. vijaya Ranga
15	M. Lakshmi	35	G. Kalyani
16	V. vasavi	36	G. Sravani
17	K. yasaswini	37	R. parvati
18	M. Saranya	38	R. Laxmi
19	M. Rama kumthi	39	S. neeka satnam
20	K. Sushma	40	K. Anusha

41	S. Lakshmi Prabhanna	61	A. Uthya Bhanu
42	T. Durga Bhanani	62	U. Tejeswari
43	K. Dhana Thulasi	63	Mohammad Bibi fathima
44	L. Vaishnavi	64	pemmadi Siri
45	L. Seethalatha	65	Malladi prajyanka
46	Balakshmi Alekhya	66	Mesuri Priya
47	Q. Ramyassi	67	S. Swathi Priya
48	P. Ramya	68	K. Anitha
49	Sugadi. Nika prithnam	69	M. Ramya
50	Rekadi. Pavani	70	M. S. H. H. Anusri
51	K. Anusha	71	Y. Suchitha devi
52	P. Gravani Chandrika	72	Shaiq. Samimunnisha.
53	K. Anushka	73	K. Sri Veera pravallika
54	B. Sandhya Rani	74	G. Naga Kavya
55	Sk. Thakura	75	M. Meha Lakshmi
56	Ch. Lakshmi Tulasi	76	m. Likhitha
57	A. Dhana Lakshmi	77	R. Sudha Rani
58	D. Sandhya	78	B. Nagamani
59	B. Durga Dinya	79	M. Sourdhanu pralithi
60	A. Gowri Redhika	80	M. Namya

81. V. Satyavessri



A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN(A), KAKINADA
DEPARTMENT OF CHEMISTRY
STUDENTS WHO ATTENDED THE QUIZ

EJ COREY TEAM

S.NO	Name of the Student	Class	Signature
1	K. zaraawini	B.S.C [maths]	K. zaraawini
2	B. satya	B.S.C [Maths]	B. satya
3	M. kaveya	B.S.C [maths]	M. Kaveya
4	P. Sravani Chandrika	B.S.C (Home Science)	P. Sravani Chandrika
5	G. satya	B.S.C (Maths)	G. satya
6	M. Ranga	B.S.C (math)	M. Ranga

NEILS BOHR TEAM

1.	M. Eanga bhavani	B.sc [maths]	M. Bhavani
2.	K. Anushka	B.com [General]	K. Anushka
3.	G. Durga devi	B.S.C [Maths]	G. Durga devi
4.	P. Neha Swaroopa	B.S.C [Computers]	P. Neha Swaroopa
5.	K. Hema latha	B.S.C [Computers]	K. Hema latha
6.	S. Sasi Rekha	B.S.C [Maths]	S. Sasi Rekha

VEKATA RAMAN TEAM

1.	Y. Suchitha devi	B.sc [Computers]	Y. Suchitha devi
2.	M. satya Hema hani Anusri	B.S.C [Computers]	M. S. H. Anusri
3.	P. Bhargavi	B.S.C [Computers]	P. Bhargavi
4.	G. Vaishnavi	B.S.C [Computer]	G. Vaishnavi
5.	K. Sushma	B.S.C [Maths]	K. Sushma
6.	M. Rama Keerthi	B.S.C (Maths)	M. Keerthi
7.	V. Vasanthakumari	B.S.C (Computer science)	V. V. Kumari
8.			

MADAM CURIE TEAM

1.	M. Akhila	M. Akhila	BSC (computer)
2.	K. Anitha	K. Anitha	BSC (Chemistry)
3.	O. Ramya Sri	O. Ramya Sri	BSC (zoology)
4.	B.L. Alekhya	B.L. Alekhya	BSC (zoology)
5.	M. Varshita Naga Sai Sri	M. Varshita	BSC (computers)
6.	M. Satwika	M. Satwika	BSC (physics)
7.	Sd. Karishma	Sd. Karishma	BSC (computers)
8.	B. madhuri	B. madhuri	BSC (computer)

- a. Tsunami
- b. Drought
- c. Earthquake
- d. **Flood**

6. Which two forms of alcohol do we include in biofuels?

- a. **Methanol and Ethanol**
- b. Propanol and Ethanol
- c. Propanol and Methanol
- d. None of the above

Answer: (a) Methanol and Ethanol

7. Which of these gases is not permitted to be released by the Prevention and Control of Pollution Act by the Government?

- a. Sulphur Dioxide
- b. Carbon Monoxide
- c. Nitrogen Oxide
- d. **All of the above**

8. In which of these years was the Forest Conservation Act amended?

- a. 1978
- b. **1988**
- c. 1963
- d. 1952

Answer: (b) 1988

9. Which of these elements is present in the drinking water that can lead to numerous fatal diseases?

- a. Phosphorus
- b. Calcium
- c. **Arsenic**
- d. None of the above

Answer: (c) Arsenic

10. What is safest energy for the future*

- (a) Solar energy
- (b) Nuclear energy
- (c) Wind energy
- (d) Bio mass

11. which one is non-renewable resource*

- a) wind energy ,petroleum
- b) petroleum ,coal
- c) solar energy , coal
- d) nuclear energy ,natural gas
- (d) To kill snails

12. Which gas released in bhopal disaster*

- (a) ethyl cyanide
- (b) Methyl cyanide
- (c) ethyl iso cyanate
- (d) methyl iso cyanate

ROUND-2

1. When was the first ozone hole discovered? **1985**

2. The ozone layer absorbs what range of wavelengths of the sun's radiation? **200 nm – 315 nm**

3. Which layer of the atmosphere contains the ozone layer **Stratosphere.**

4. Which of the following UV radiations is responsible for causing sun burns and skin cancer? **UV-B**

5. Which of the following products are responsible for the depletion of the stratospheric ozone layer?

Refrigerants

Propellants

Foam-blowing agents

All of the mentioned

6. Which of the of following is not a zone depleting substance (ODS)

Halon

Nitrous oxide

Carbon tetrachloride (CCl₄)

Chlorofluorocarbon

7. The Montreal Protocol bans the production of which of the following chemical substances?

Chlorine, bromine, CFCs, freons

Carbon tetrachloride, halons, trichloroethane, CFCs

CFCs, bromine, halons, freons

CFCs, halons, freons

8. Who discovered the ozone layer?

Henri Buisson & Charles Fabry

Carl Sagan & Charles Fabry

G.M.B Dobson

Carl Sagan & G.M.B Dobson

9. CFCs (chlorofluorocarbons) are greenhouse gases that have caused a rise of 3 degree C in the global temperatures in the past century. Name the CFC that is used in refrigerators.

Carbon dioxide

Methane

Ammonia

Freon

10. Ozone can be destroyed by the following free radical(s)

Chlorine radical (Cl)

Hydroxyl radicals (OH)

Nitric oxide radical (NO)

All of these

11. Who discovered the ozone hole over Antarctica?

Joe Farman, Brian Gardiner, and Jonathan Shanklin.

Carl Sagan & Charles Fabry

G.M.B Dobson

Carl Sagan & G.M.B Dobson

12. Ozone layer is made up of oxygen molecules and it is spread between 10 km to 50 km above the ground. We see mountaineers carrying oxygen cylinder and fighter pilots is bearing oxygen mask. Why they have to do so when there is already a layer of ozone above the ground?

Because ozone is not useful for breathing

Because layer of ozone is very high

Because they do so for just precautions

Because there is not sufficient ozone for breathing

13. Which of the following devices can be used to the amount of ozone in the atmosphere?

Spectrometer

Photometer

Spectrophotometer

Spectro-ozonomete

14. Select the concentration of ozone that is naturally found in the stratosphere

Nearly 100%

Greater than 90%

Between 10-50%

Less than 10ppm

15. Why is ozone depletion greater in Antarctica than in the Arctic?



Polar stratospheric clouds

Antarctica is colder than the Arctic

Both

Arctic is colder than the Antarctica

16. Which units are used to measure thickness of ozone layer?

Nm

Cm

Dobson units

None

17. Which of the following is the wrong statement?

O₃ molecule is bent

Ozone is violet-black in solid state

Ozone is diamagnetic gas with a characteristic pungent odor

None

18. Identify the wrong statements in the following

Chlorofluorocarbons are responsible for ozone layer depletion

Greenhouse effect is responsible for global warming

Ozone layer does not permit infrared radiation from the sun to reach the earth

Acid rains is mostly because of oxides of nitrogen and sulphur

19. Is Ozone toxic to breathe? **True**

20. How many lone pairs are there on central oxygen in Ozone? 1