



Government Degree College

Affiliated to Andhra University
(Upgraded to Model Degree College under RUSA 2.0)

Paderu, Visakhapatnam - District, AP.

Est:1985 NAAC "C" Grade phone no: 08935 250013 Email ID :Paderu.jkc@gmail.com.



DEPARTMENT OF CHEMISTRY

GUEST LECTURE

DATE: 06.01.2023

TIME: 11.00 AM

VENUE: CHEMISTRY VIRTUAL ROOM

All III B.Sc CHEMISTRY STUDENTS ARE ELIGIBLE

TOPIC: Green Chemistry and Sustainable Future





Government Degree College

Affiliated to Andhra University
(Upgraded to Model Degree College under RUSA 2.0)

Paderu, Visakhapatnam - District, AP.

Est: 1985 NAAC "C" Grade phone no: 08985 250013 Email ID : Paderu.jkc@gmail.com.



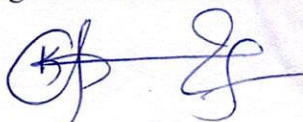
DEPARTMENT OF CHEMISTRY

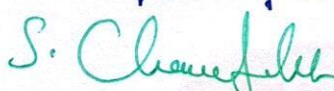
NOTICE

Date: 03.01.2023

This is to inform all staff members and students that the department of Chemistry will be organized a guest lecture to III B.Sc Chemistry students by **Smt. K. Santoshi**, Lecturer in Chemistry, **Government Degree College, Chintapalli**. Hence all the Faculty members are requested to inform all B.Sc students for the guest lecture on 6th January, 2023 at 11.00 am.

Signature of staff members







Principal
Govt. Degree College
PADERU-531024
At: Iluri Sitharama Raju Dist..



Government Degree College

Affiliated to Andhra University
(Upgraded to Model Degree College under RUSA 2.0)

Paderu, Visakhapatnam - District, AP.

Est:1985 NAAC "C" Grade phone no: 08935 250018 Email ID :Paderujkc@gmail.com.



Date: 02.01.2023

From

To

Dr. V. Chittabai

Smt. K. Santoshi

M. Sc., B. Ed., M. Phil., Ph.D.

M. Sc., (Ph.D.)

Principal

Lecturer in Chemistry

Govt. Degree College

Government Degree College

Paderu.

Chintapalli.

Respected Madam,

Sub: Requisition for permission to **guest lecture** on 6th January, 2023 request reg.

I wish to inform you that Department of Chemistry is going to organize a guest lecture in Chemistry at Govt. Degree College, Paderu, ASR Dist. On 6th January, 2023. Hence we request you to deliver a lecture for III B.Sc Chemistry students on **Green Chemistry and Sustainable Future**. Kindly receive and accept the above mentioned.

Thanking you madam

With regards

V. Ch
Principal

Govt. Degree College
PADERU-531024

Aturi Sitharama Raju Dist..



Government Degree College

Affiliated to Andhra University
(Upgraded to Model Degree College under RUSA 2.0)

Paderu, Visakhapatnam - District, AP.

Est:1985 NAAC "C" Grade phone no: 08935 250013 Email.ID :Paderu.jkc@gmail.com.



DEPARTMENT OF CHEMISTRY

Date: 6th January, 2023

REPORT ON GUEST LECTURE

We the Department of Chemistry organized a guest lecture on "**Green Chemistry and Sustainable Future**" for III B.Sc students by the resource person **Smt. K. Santoshi, Lecturer in Chemistry, Chintapalli**. Madam delivered a lecture on Principles of Green Chemistry, Green Methods and Applications of Green Chemistry in Various fields and also clarifies the doubts of students. Forty five (45) students were attended to Guest Lecture from III MPC, III CBZ and III Seed Technology groups. By this guest lecture students develop their knowledge and skills in the field of Green Technology.

Signatures of the Co-ordinator

Amitha
HC in chemistry.

G. Lh
Signature of the Principal

Principal
Govt. Degree College
PADERU-531024
Alluri Sitharama Raju Dist..



Government Degree College

Affiliated to Andhra University
(Upgraded to Model Degree College under RUSA 2.0)

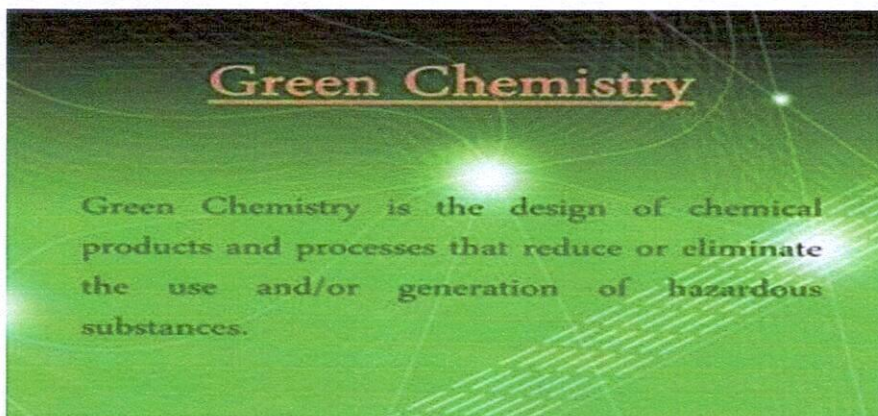
Paderu, Visakhapatnam - District, AP.

Est:1985 NAAC "C" Grade phone no: 08935 250013 Email ID :Paderu.jkc@gmail.com.



TOPIC SYNOPSIS

INTRODUCTION



Green Chemistry Is About...

Reducing

Waste

Materials

Hazard

Risk

Energy

Cost

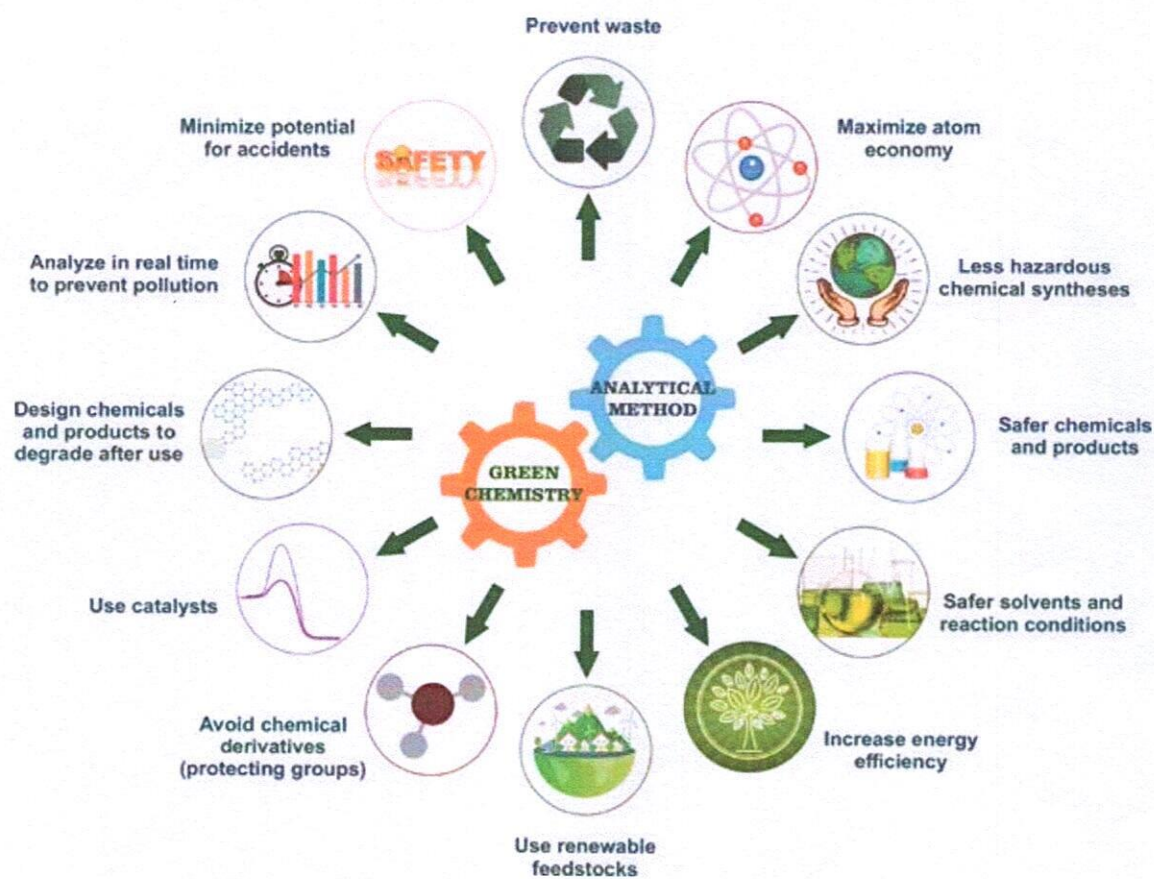
OBJECTIVES

With increasing environmental concerns, the need for environmentally benign synthetic Chemistry and the development of non-toxic and mild chemicals has assumed significant importance. The practice of green chemistry has led to the development of numerous environmentally safe processes and chemicals that have greatly improved the quality of human health. The first talk was focused on an introduction to green chemistry, a discussion of toxicity and toxic molecules. The second lecture was highlighted the relevance and importance of green chemistry with case studies. In particular, the dangers of plastics and pesticides will be highlighted along with green chemistry solutions.

Principles of Green Chemistry

1. Prevention of waste
2. Atom Economy
3. Less Hazardous Chemical Syntheses
4. Designing Safer Chemicals
5. Safer Solvents and Auxiliaries
6. Design for Energy Efficiency
7. Use of Renewable Feedstock's
8. Reduce Derivatives
9. Catalysis
10. Design for Degradation
11. Real-time Analysis for Pollution Prevention
12. Inherently Safer Chemistry for Accident Prevention

APPLICATIONS OF GREEN CHEMISTRY



OUTCOMES:

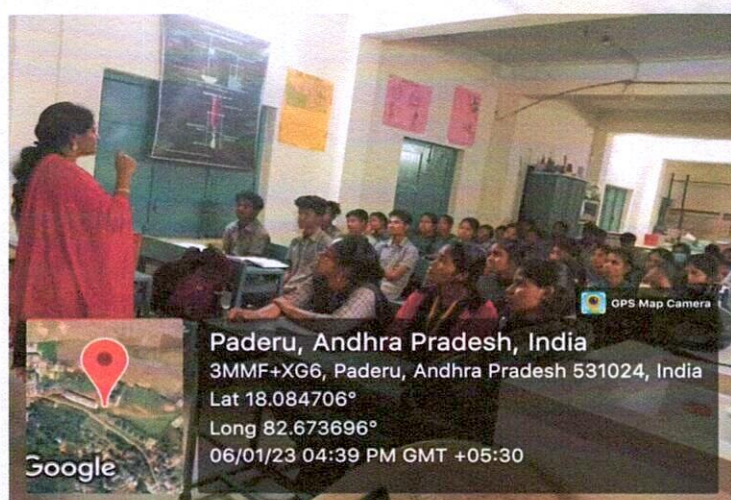
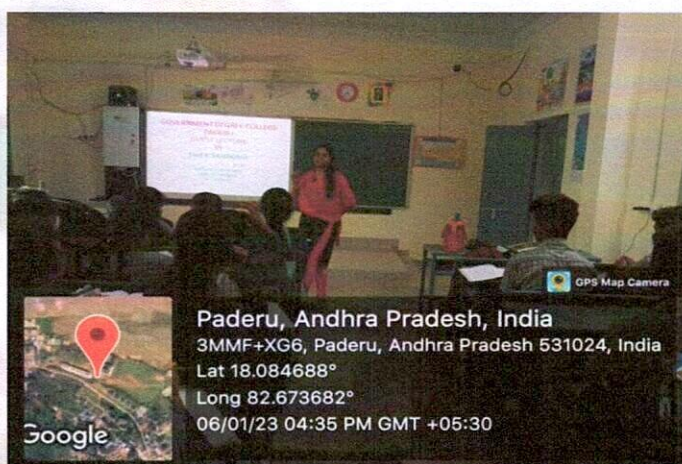
- 1 Realise the importance of green technologies in sustainable growth of Industry and society.
- 2 Adopt alternative methods and solvents for green synthesis.
- 3 Develop cleaner production and treatment mechanism for pollution prevention.

PHOTO GALLERY



HOD, CHEMISTRY, Miss. Ch. Anitha, Lecturer in chemistry introducing the guest to the students

Smt. K. Santoshi, Lecturer in chemistry is giving lecturer



Smt. K. Santoshi clarify the doubts over lecture

DEPARTMENT OF CHEMISTRY

ATTENDED STUDENT LIST AND SIGNATURES

DATE: 06.01.2023

TIME: 10.00 AM

SL.NO	STUDENT NAME	CLASS & GROUP	SIGNATURE
1	R. Sandhya Rani	IV th B.Sc (C.B.Z)	R. Sandhya Rani
2	B. Thangai	III rd MPC	B. Thangai
3	A. pragathi	III rd MPC	A. pragathi
4	S. Chandu	III rd MPC	S. Chandu
5	B. Ramakrishna	III rd MPC	B. Ramakrishna
6	K. Chandan	III rd MPC	K. Chandan
7	K. Kumaraja Lakshmi	III rd MPC	K. Kumaraja Lakshmi
8	K. Dhanalakshmi	III rd MPC	K. Dhanalakshmi
9	M. Madhu	III rd MPC	M. Madhu
10	K. Pradeep	III rd MPC	K. Pradeep
11	K. KASULAMMA	III rd MPC	K. Kasulamma
12	P. Syam Kumar	III rd MPC	P. Syam Kumar
13	J. Simhachalam	III rd C.B.Z	J. Simhachalam
14	P. RAMBABU	III rd M.P.C.	P. Rambabu
15	P. PRASAD	III rd MPC	P. Prasad
16	B. RAMAKRISHNA PADAL	III rd M.P.C.	B. R. K. Padal
17	P. Premkumar	III rd MPC	P. Premkumar
18	K. Siva Ganesh	III rd MPC	K. Siva Ganesh
19	G. Basha Babu	III rd MPC	G. Basha Babu
20	K. Ramakao	III rd MPC	K. Ramakao
21	G. Anil Kumar	III rd MPC	G. Anil Kumar
22	B. pushpanjili	III rd CBZ	B. pushpanjili
23	B. ASHOK Kumar	III rd CBZ	B. Ashok
24	D. Simhachalam	III rd CBZ	D. Simhachalam
25	G. Gayathri	III rd CBZ	G. Gayathri
26	G. Purnakela	III rd CBZ	G. Purnakela
27	J. Rasi	III rd CBZ	J. Rasi
28	S. padma kumari	III rd CBZ	S. padmakumari
29	M. Sundar Rao	III rd CBZ	M. Sundar Rao
30	K. Sujana	III rd CBZ	Sujana
31	S. Sathi Babu	III rd CBZ	S. Sathi Babu
32	T. Rama Lakshmi	III rd CBZ	T. Rama Lakshmi
33	P. mahesh	III rd CBZ	P. mahesh
34	P. mahy	III rd CBZ	P. mahy
35	L. narevelk kumar	III rd CBZ	L. narevelk kumar
36	K. Ramvathi	III rd CBZ	K. Ramvathi
37	M. Mallika	III rd CBZ	M. Mallika
38	M. Sushana	III rd CBZ	Sushana
39	P. Matyasaaju	III rd CBZ	P. Matyasaaju
40	S. Jagah	III rd CBZ	S. Jagah
41	K. Devid Raju	III rd CBZ	K. Devid Raju
42	K. Bhuzarao	III rd CBZ	K. Bhuzan Rao
43	P. Kumari	III rd CBZ	P. Kumari
44	T. Anjali	III rd CBZ	T. Anjali
45	T. CHINNARI	III rd CBZ	T. CHINNARI



Government Degree College

Affiliated to Andhra University

(Upgraded to Model Degree College under RUSA 2.0)

Paderu, Alluri sitharamaraju -District, AP.

Est:1985 NAAC "C" Grade phone no: 08935 250013 Email ID :Paderu.jkc@gmail.com.



DEPARTMENT OF CHEMISTRY

DATE: 06.01.2023

CERTIFICATE OF APPRECIATION

This is certified that **Smt. K. Santoshi**, Lecturer in Chemistry, Chintapalli, Alluri Sitha Ramaraju Dist. has delivered guest lecture on "GREEN CHEMISTRY AND SUSTAINABLE FUTURE" for all III B.sc Chemistry students at Govt. Degree College, Paderu on 06.01.2023 at 11.00 am which is organized by Department of Chemistry.


Principal
Govt. Degree College
PADERU-531024
Alluri Sitharama Raju Dist.,