



A.S.D.GOV.T.DEGREE COLLEGE FOR WOMEN

(Autonomous) Jagannaickpur
Kakinada, E.G. Dt. (AP) – 533 002
(NAAC 'B' Grade 3rd Cycle)



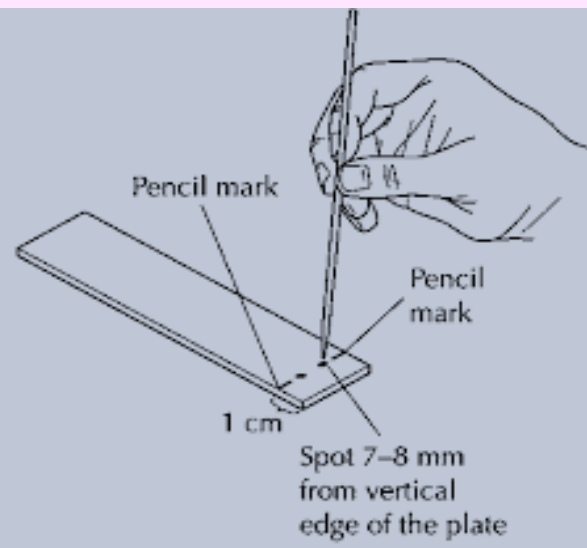
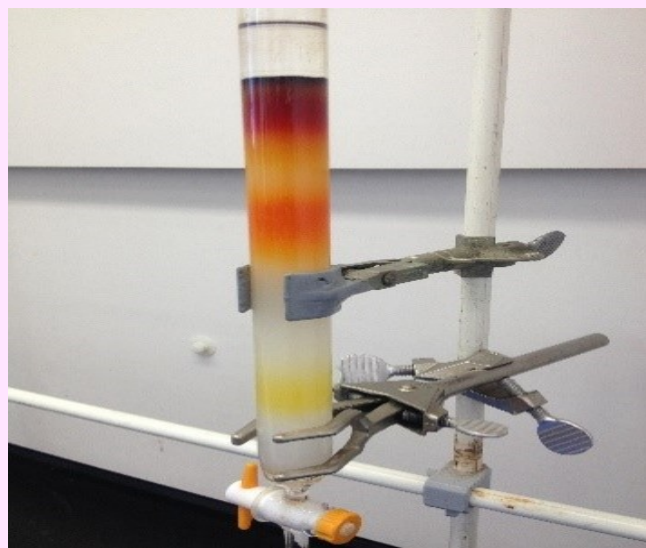
DEPARTMENT OF CHEMISTRY

One Week Student Training Programme on

“Isolation and Characterization of Organic Compounds”

(Sponsored by Ch. S. D. St. Theresa's (A) College for Women, Eluru, Under RUSA-2.0)

18-23rd December 2019



CH. S. D. ST. THERESA'S COLLEGE FOR WOMEN (AUTONOMOUS), ELURU

- Affiliated to Adikavi Nannaya University, Rajamahendravaram
College of Excellence, NAAC A⁺ (3.56/4)

Phone numbers: 08812-251210, Fax: 08812-250380, Website: www.chsd:theresacollege.net

Email: chsdtheresa@gmail.com, st_theresa2003@yahoo.co.in

Contact Nos: 7337461488, 9490970007, 9441751205

From
The Principal
St. Theresa's College, Eluru

No: F. MRP-325/2019 (STP/RUSA 2.0-STC)

Dated : June.,2019

The Accounts Officer LINKNO: 3-19/8 Department of Chemistry
Ch. S. D. St. Theresa's (A) College for Women,
Eluru, West Godavari Dist. 534003

Sub: Financial Assistance to conduct One Week Student Training Programme on "Isolation and Characterization of Organic Compounds" -Approval-Cum Sanction Letter of first instalment - reg-

Sir/Madam,
This has reference to conduct One Week Student Training Programme on "Isolation and Characterization of Organic Compounds" submitted by Mr. D. Chenna Rao, Department of Chemistry, A.S.D. Government Degree College for Women (Autonomous), Kakinada, East Godavari Dist. A.P. for Financial Assistance under the above scheme and to say that RUSA Coordinator has approved a grant of Rs. 50,000/- to the Convener for undertaking the above Student Training Programme mentioned as per the items of the expenditure listed below;

FINANCIAL ASSISTANCE IS SOUGHT

	Amount allocated (Rs)	Amount sanctioned as first instalment(Rs.)
a. Chemicals	15,000/-	7,500/-
b. Apparatus & Equipment	20,000/-	10,000/-
c. Hospitality to Resource persons & participants	5,000/-	2,500/-
d. Honorarium to Resource persons	6,000/-	3,000/-
e. Miscellaneous	4,000/-	2,000/-

(GRAND TOTAL): Rs. 50,000 25,000/-

1. I am further to convey the sanction of the above said payment under RUSA Rs. 25,000/- to the Principal, A.S.D. Government Degree College for Women (Autonomous), Kakinada, East Godavari Dist. A.P. of the concerned college as first instalment towards the above project.
2. The above approval is subject to the general conditions of grants prescribed by the RUSA for the scheme.
3. The sanctioned amount is valid for payment during the financial year 2019-20 only and the amount of the grant shall be credited to "The Principal of the Concerned College", by electronic mode.

4. In case the Convener of the One Week Student Training Programme has been transferred/ left/ retired from the college, the released amount may be returned to The Principal, St. Theresa's College immediately.
5. The Convener is required to submit the One Week Student Training Programme report along with the documents 1) One Week Student Training Programme Report 2) Utilization Certificate duly signed by the Convener, Principal 3) Statement of expenditure duly signed by the Convener, for the first installment of grant received immediately on completion of conducting Training Programme.
6. The college must send the filled in Acknowledgement Certificate within 15 days of receipt of this letter else the college may return the sanctioned amount to this office.
7. The grant is subject to the adjustment based on utilization certificate in the prescribed proforma submitted by the Institution.
8. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished as early as possible after the close of current financial year.
9. Student Training Programme To be completed on or before 30th December 2019.
10. Dates of One Week Student Training Programme: The effective date of conducting One Week Student Training Programme will be the date of receipt of fund by the Institution

Yours faithfully,


Dr. Sr. Marietta D'mello

PRINCIPAL

The sanctioned grant will be transferred to your college account by the payment order. You are requested to acknowledge the receipt of the above amount by sending the acknowledgement form within 15 days.

Copy to :

1. The Principal,
A.S.D. Government Degree College for Women (A),
Kakinada,
East Godavari Dist. A.P.
2. MR/MRS/ MS: D. Chenna Rao
Department of Chemistry,
A.S.D. Government Degree College for Women (A),
Kakinada,
East Godavari Dist. A.P.

Yours faithfully,

**One Week Student Training Programme
on
“Isolation and Characterization of
Organic Compounds”**

18-23rd December 2019

REGISTRATION FORM

Student Name :

Register No. :

Class :

Institution Name :

Address :

Phone No.:

E-mail:

Date:

Place:

Signature:

No Registration fee. No TA/DA will be given.

(Spot Registration is also available)

Chief Patron:
Sri. M.M.Nayak, IAS
Special Commissioner, Collegiate Edn, Amaravathi
Patron:

Dr. R. David Kumar, M.Sc., M.Phil, Ph.D.
RJDCE, Rajamahendravaram
President

Ms. M.Suvarchala, M.Sc., M.Ed, (Ph.D.)
Principal
Director

Dr. D. Chenna Rao, M. Sc. NET, Ph.D.
HOD of Chemistry

Organizing Secretary
Smt. V. Ananthalakshmi, M.Sc, M.Phil, B.Ed.
Lecturer in Chemistry

ORGANIZING COMMITTEE

1. Sri. V. Badarinarayana Rao, M. Sc, B.Ed.
Lecturer in Chemistry
2. Dr. S. Priyadarshini, M. Sc. NET, Ph.D.
Lecturer in Chemistry
3. Smt. M. Subbalakshmi, M.Sc.
Lecturer in Chemistry (Contract)

ADVISORY COMMITTEE

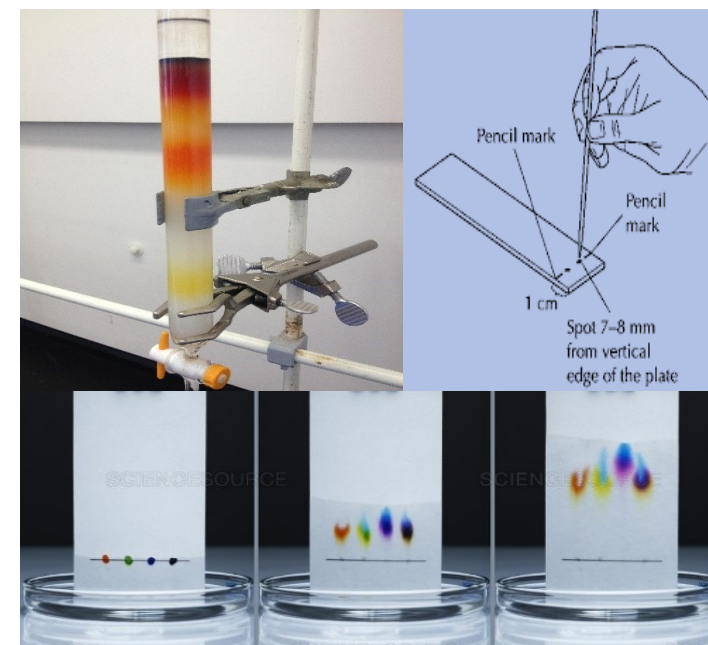
1. Dr. G. Anitha, M.Sc, Ph.D.
UGC/RUSA Coordinator
2. Ms. K. Madhavi, M.A., NET.
HOD/Telugu
3. Mr. K. Venkateswara Rao, M.Sc., B.Ed.
HOD/Physics
4. Ms. P. Sanjotha, M.A., (Ph.D.)
HOD/English

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E-mail: asdchemstp2019@gmail.com



**One Week Student Training Programme
on
“Isolation and Characterization of
Organic Compounds”**
(Sponsored by Ch. S. D. St. Theresa's (A) College
for Women, Eluru, Under RUSA-2.0)

18-23rd December 2019



Organized by

DEPARTMENT OF CHEMISTRY
Mobile: 91-7702532101; 956074108.
Ph: 0884-2378446
Website: www.asdgcw.com
E-mail: asdchemstp2019@gmail.com

ABOUT THE COLLEGE

“Annavaram Satyavathi Devi Government Degree College for Women”, was named after the Goddess Satyavathi Devi of Annavaram. It was established in 1962 with the objective of emancipation and empowerment of women in higher education. The logo represents “*Sthree Vidya Pravadhatam*”, which means, “*Women Education Shall Prosper*”. The institution is in a prime location of Kakinada town with campus area of 7.75 acres connected with good transport facility. The College was admitted under section 2(f) & 12(B) status of U.G.C Act with effect from 01-06-1962.

Initially, the college began with general UG Courses like B.A., and B.Sc. Later, B.Sc. – Home Science in 1963, B.Com. Courses in 1991 and B.Sc. – Microbiology in 1998 were introduced. Gradually Vocational Courses in B.A. and B.Com. were also included. Two P.G. courses viz. M.Com. and M.A.(Telugu) are sanctioned in 2015-16 and 2016-17 respectively are running successfully.

In order to enhance the understanding levels of the Students, ICT has been included in addition to chalk and talk method. The strength of the students is about 1100. IQAC has been playing a key role in enhancing quality in Academic and Administrative corners.

This is the only Government Degree College for Women in the entire coastal belt with an attached Hostel facility. Due to the dedication, commitment and co-operation of staff and students, the College is conferred Autonomy status w.e.f 2015-16 (CBCS Pattern). The College is upgrading under RUSA and UGC funds by constructing additional classrooms and examination cell, Digital and Virtual classrooms, labs etc. The College is offering B.A. (H.E.P.; T.H.P.), B.Com. (TM, EM, & Computers), and B.Sc. (MPC, MPCs, CBZ, CBMB & H.Sc.) at UG level under Semester System.

ABOUT CHEMISTRY DEPARTMENT

Chemistry Department is one of the oldest Departments of this College, established in the year 1962. In 1968, the Annavaram Devasthanam handed over the college to the Government of Andhra Pradesh. A.S.D. Govt. Degree and Junior College functioned as a composite institution till 1995.

Later in tune with the policy of U.G.C, the Government of Andhra Pradesh has bifurcated this institution into Junior and Degree Colleges in 1996. Since then the Chemistry Department is handling only U.G. level teaching. In 2015, the U.G.C. conferred Autonomy status to the institution, and from the academic year 2015-16, the Department switched over to semester system under CBCS pattern. Many of the students are State toppers in B.Sc.-Chemistry and also got ranks in P.G. Entrance examinations. In addition to the conventional courses (B.Sc. - MPC/CBZ), restructured courses such as Chemistry, Botany and Microbiology (CBMB) in 1998-99 and market-oriented course such as Chemistry, Zoology, Aquaculture Technology, (CZAqT) in 2018-19 are introduced in English medium with a sanctioned strength of 20 and 30 respectively.

THEME OF THE TRAINING PROGRAMME

- The primary objective of this programme is to acquire the basic skill and advanced practical knowledge on isolation of organic compounds through modern analytical techniques
- Acquire hands on experience to spot and develop TLC (Thin Layer Chromatography) plate for qualitative identification of reaction products, and their conversion rates using UV-TLC Chamber.
- Student acquaint a practical knowledge in choosing perfect solvent ratios to isolate the desired organic compound in pure form from impure form using column chromatography technique.

- Demonstration of the column chromatography purification technique by eluting polar compounds like Schiff's base (condensation of aldehydes and amines) and non-polar compounds like 1,3-dienes (Glaser coupling) using stationary phase (silica gel, 100-200 mesh) and mobile phase (mixture of hexane and ethyl acetate).
- Acquire knowledge on how to characterize the obtained products by means of analytical techniques viz NMR, IR, Mass etc.

RE SOURCE PERSONS:

Dr. Ramesh Babu Boga, Founder & MD,
BogaR laboratories, Peddapuram, A.P.

Dr. B. Jaganmohan Reddy, Ph.D.
Head, Department of Chemistry
Adikavi Nannaya University
Rajahmundry, A.P. India.

Dr. D. Santi Kumar, Ph.D.
Associate Professor of Chemistry
Dr S R K Govt Arts College
Yanam, Pondicherry, India.

THE TRAINING OUTCOME

- Isolation of organic compounds Chromatographic technique
- hands on experience to study conversion rates and R_f values by spotting and developing TLC plate
- acquire practical knowledge in choosing perfect solvent ratios to isolate the desired organic compound
- acquaint dexterous practical knowledge in packing of chromatographic column and isolate polar as well as non-polar compounds
- acquire knowledge on characterization of the isolated products

Programme Schedule

DAY-1				
DATE	TIME	SESSION	TOPIC	RESOURCE PERSON
18.12.2019	10.30 – 12.00	Inauguration		
	12.00 – 13.00	Technical Session	Importance of Organic synthesis	Dr. D. Santi Kumar
	13.00 – 14.00	Lunch Break		
	14.00 – 16.00	Technical Session	Basic concepts of Isolation	Dr. Ramesh Babu Boga
	16.00 – 17.00	Hands-on practice	Chromatographic methods	Dr. Ramesh Babu Boga
DAY-2				
19.12.2019	10.00 – 12.00	Technical Session	Synthetic aspects of Organic Chemistry	Dr. Ramesh Babu Boga
	12.00 – 13.00	Technical Session	Synthetic aspects of Organic Chemistry	Dr. Ramesh Babu Boga
	13.00 – 14.00	Lunch Break		
	14.00 – 16.00	Hands-on practice	Preparation of TLC Plates	Dr. Ramesh Babu Boga
	16.00 – 17.00	Hands-on practice	Preparation of TLC Plates	Dr. Ramesh Babu Boga
DAY-3				
20.12.2019	10.00 – 12.00	Technical Session	Spotting and study of R _f values	Dr. B. Jagan Mohana Reddy
	12.00 – 13.00	Hands-on practice	Spotting and study of R _f values	Dr. B. Jagan Mohana Reddy
	13.00 – 14.00	Lunch Break		
	14.00 – 16.00	Technical Session	Spotting and study of R _f values	Dr. B. Jagan Mohana Reddy
	16.00 – 17.00	Hands-on practice	Polarity study of solvents	Dr. B. Jagan Mohana Reddy
DAY-4				
21.12.2019	10.00 – 12.00	Technical Session	Workup study	Dr. B. Jagan Mohana Reddy
	12.00 – 13.00	Hands-on practice	Workup study	Dr. B. Jagan Mohana Reddy
	13.00 – 14.00	Lunch Break		
	14.00 – 16.00	Technical Session	Column Chromatography	Dr. B. Jagan Mohana Reddy
	16.00 – 17.00	Hands-on practice	Column Chromatography	Dr. B. Jagan Mohana Reddy
DAY-5				
22.12.2019	10.00 – 12.00	Technical Session	Spectral characterization (IR)	Dr. D. Santi Kumar
	12.00 – 13.00	Technical Session	Spectral characterization (IR)	Dr. D. Santi Kumar
	13.00 – 14.00	Lunch Break		
	14.00 – 16.00	Hands-on practice	Spectral	Dr. D. Santi

			characterization (IR)	Kumar
	16.00 – 17.00	Hands-on practice	Spectral characterization (IR)	Dr. D. Santi Kumar
DAY-6				
23.12.2019	10.00 – 12.00	Technical Session	Spectral characterization (¹ H NMR)	Dr. D. Santi Kumar
	12.00 – 13.00	Technical Session	Spectral characterization (¹ H NMR)	Dr. D. Santi Kumar
	13.00 – 14.00	Lunch Break		
	14.00 – 16.00	Viva-voce		
	16.00 – 17.00	Valedictory Session		



**A.S.D. GOVERNMENT DEGREE COLLEGE FOR WOMEN
(AUTONOMOUS)**

Jagannickpur, KAKINADA, E.G.DIST.(A.P.)-533002

(NAAC 'B' Grade 3rd Cycle)

(Affiliated to Adikavi Nannayya University)



DEPARTMENT OF CHEMISTRY

One Week Student Training Programme on

“Isolation and Characterization of Organic Compounds”

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18-23rd December 2019

CERTIFICATE

This is to certify that Dr./Mr./Mrs./Ms.
of.....has Participated/Acted as
.....in One Week Student Training Programme on **“Isolation
and Characterization of Organic Compounds”** held from **18-23rd December 2019**, Organized by
Department of Chemistry, A.S.D. Govt. Degree College for Women(Autonomous), Kakinada.

Dr. D. Chenna Rao, M.Sc., NET, Ph.D.
Director

Ms. M. Suvarchala, M.Sc., M.Ed, (Ph.D.)
Principal

A.S.D.GOV'T. DEGREE COLLEGE FOR WOMEN (Autonomous)

(NAAC 'B' Grade 3rd Cycle)

Jagannaickpur, KAKINADA – 533 002, A.P. INDIA



One Week Student Training Programme on

“Isolation and Characterization of Organic Compounds”

(Sponsored by Ch. S. D. St. Theresa's College for Women (A), Eluru, Under RUSA-2.0)

18-23rd December 2019

TRAINING PROGRAMME REPORT

The Department of Chemistry of this College has sent a proposal to Ch. S. D. St. Theresa's College for Women (A), Eluru, for financial assistance to organize one-week student training programme on the theme, “Isolation and Characterization of Organic Compounds”. After receiving the approval letter, the Department of Chemistry of this College has proposed to conduct the training programme from 18-23rd December 2019. Adhering to the proposed dates, the Department has organized the one-week student training programme on the same proposed dates from 18-23rd December 2019.

Resource persons invited:

S.No.	Name / Designation of the Resource Person	Training Modules
1	Dr. Ramesh Babu Boga, Ph.D. (IIT Madras) Founder & MD BogaR Laboratories LLC, Suwanee (GA), USA BogaR laboratories, Peddapuram, A.P.	<ul style="list-style-type: none"> • Basic concepts of Isolation • Chromatographic methods • Synthetic aspects of Organic Chemistry • Preparation of TLC Plates
2	Dr. B. Jagan Mohana Reddy, Ph.D. Head, Department of Chemistry Adikavi Nannaya University Rajamahendravaram, A.P.	<ul style="list-style-type: none"> • Spotting and study of R_f values • Polarity study of solvents • Workup study • Column Chromatography

3	Dr. D. Santi kumar, Ph.D. Associate Professor Department of Chemistry Dr SRK Govt. Arts College Yanam, Pondicherry.	<ul style="list-style-type: none"> • Importance of Organic synthesis • Spectral characterization (IR & 1H NMR)
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The programme was formally inaugurated by the President of the programme / Principal of the College Ms. M. Suvarchala, Chief Guest Dr. Ramesh Babu Boga, Founder & MD Boga R Laboratories; Guests of Honour Dr. B. Jagan Mohana Reddy, HOD-Chemistry, Adikavi Nannaya University, Rajamahendravaram; Dr. D. Santi kumar, Associate Professor of Chemistry, Dr. S.R.K. Govt. College, Yanam, Pondicherry; programme Director Dr. D. Chenna Rao, organizing secretary Ms. V. Ananthalakshmi, faculty of the Chemistry Department, students from other colleges, Press and Electronic Media.

A total 37 students participated for this programme. The six days training programme was divided into 4 sessions i.e., pre-lunch - Two Sessions and post-lunch - Two Sessions. The Keynote address was delivered by Dr. Ramesh Babu Boga on importance of isolation methods and characterization and subsequent to keynote address, Dr. D. Santi Kumar delivered his speech on the importance of Chemistry and career opportunities in Chemistry. After, inaugural session, Dr. Santi kumar has given a lecture on Organic Synthesis and reaction mechanism in Organic Chemistry.

After the Technical session, the afternoon practical session handled by Dr. Ramesh Babu Boga garu at the chemistry lab and enlightened the students on the Importance of Isolation by Chromatographic Techniques and characterization of Organic Compounds. In the Practical session, Dr. D. Chenna Rao highlighted the synthetic aspects as to how to put organic reactions, how to check TLC, TLC preparation during the course of the reaction. A total of 5 Compounds such as P-Bromo acetanilide, Benzylidene Aniline, Aspirin, Condensation of Carbonyl Compounds has been isolated and their spectral studies are discussed.

Nature of programme	Number of Students Attended		
	Within Institution	Outside Institution	Total
One week Student training programme	29	08	37

A.S.D.GOV.T.DEGREE COLLEGE FOR WOMEN(A), KAKINADA**DEPARTMENT OF CHEMISTRY****LIST OF PARTICIPANTS IN ONE WEEK STUDENT TRAINING PROGRAMME**

Sl.No	Name of the Student	Class	Address
1	K. Srinu	III B.Sc(MPC)	P.R.Govt.College(A), Kakinada
2	G. Sankara Rao	III B.Sc(MPC)	P.R.Govt.College(A), Kakinada
3	J. John Prasad	III B.Sc(MPC)	P.R.Govt.College(A), Kakinada
4	K. Mahesh	III B.Sc(MPC)	Ideal Degree College (A), Kakinada
5	Ch. Rama Krishna	III B.Sc(MPC)	Ideal Degree College (A), Kakinada
6	N. Anji Babu	III B.Sc(MPC)	Ideal Degree College (A), Kakinada
7	G. Venkata Sai Ganesh	III B.Sc(MPC)	Ideal Degree College (A), Kakinada
8	Y. Nani	III B.Sc(MPC)	Ideal Degree College (A), Kakinada
9	P. Sirisha	III B.Sc(CBMB)	ASDGDC(W)(A), Kakinada
10	S. Sarika	III B.Sc(CBMB)	ASDGDC(W)(A), Kakinada
11	P. Sai Sowjanya	III B.Sc(CBMB)	ASDGDC(W)(A), Kakinada
12	P. Sai Sandhya	III B.Sc(CBMB)	ASDGDC(W)(A), Kakinada
13	K. Mahalakshmi	III B.Sc(CBMB)	ASDGDC(W)(A), Kakinada
14	V. Bhargavi	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
15	G. Lakshmi Bharani	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
16	K. Bhagya Sri	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
17	R. Dhana Satya Sri	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
18	M. Mary	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
19	P. Sunitha	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
20	K. Pavani Satya	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
21	N. Satya Sai Kumari	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
22	Ch.Vimala Devi	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
23	K. Santhi	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
24	M. Lakshmi Durga	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
25	G. Uma Nageswari	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
26	G. Prasanna	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
27	S. Veera Lakshmi	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
28	Ch. Renuka	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
29	K. Bhulakshmi	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
30	P. Srikala	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
31	R. Prasanthi	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
32	M. Devi	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
33	J. Bhuvanewari	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
34	P. Meghana	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada
35	P. Hema	III B.Sc(CBZ)	ASDGDC(W)(A), Kakinada
36	Ch. Surya Kumari	III B.Sc(CBZ)	ASDGDC(W)(A), Kakinada
37	B. Kavya	III B.Sc(MPC)	ASDGDC(W)(A), Kakinada

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DEPARTMENT OF CHEMISTRY
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18-23rd December 2019

Feedback from Participants

Name and Designation:

Address:

College Address:

Contact No:

1. Is the Content of the Training programme interesting?
2. Have you acquired knowledge through technical sessions?
3. Whether the Theme fulfills purpose of the Training?
4. Understanding the Concepts in Various Practical sessions?
5. Over all Presentations of the Content by Resource persons?
6. Quality of Resource Persons available during the Workshop?
7. Whether adequate time is allotted for Questions and Interaction?
8. Hospitality
9. Overall Opinion on the Training programme

SIGNATURE

A.S.D.GOV.T.DEGREE COLLEGE FOR WOMEN (A), KAKINADA
DEPARTMENT OF CHEMISTRY
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18-23rd December 2019

Feedback from Participants

Name and Designation: Modugula Devi IIIrd B.Sc (MPC)

Address: A.K. Mallavaram. Gollapudi College Address: Jagannaikpuri. Kakinada
Mandal E.g. district

Contact No: 8374146660.

1. Is the Content of the Training programme interesting?
a) Yes, I am interesting.
2. Have you acquired knowledge through technical sessions?
a) Yes, I acquired knowledge through the technical sessions.
3. Whether the Theme fulfills purpose of the Training?
a) Yes the theme fulfills purpose of the training.
4. Understanding the Concepts in Various Practical sessions?
Yes, I am understanding the concept in various practical sessions.
5. Over all Presentations of the Content by Resource persons?
a) The resource persons are Dr. D. Chennarao Sir, Boga Ramach Sir.
6. Quality of Resource Persons available during the Workshop?
Yes quality of Resource Persons available in the workshop.
and Santhikumari Sir.
7. Whether adequate time is allotted for Questions and Interaction?
Yes.
8. Hospitality
Good experience.
9. Overall Opinion on the Training programme
I have gain lot of knowledge and the information of TCC plates and column preparation.

M. Devi
SIGNATURE

VIVA-VOCE

1. What is the principle of TLC?
2. Who discovered thin layer chromatography?
3. What does TLC R_f value mean?
4. What is the major application of thin layer chromatography?
5. How do you prepare TLC plates?
6. What is column chromatography?
7. What is the principle involved in column chromatography?
8. What is the main advantage of column chromatography?
9. How are the compounds separated in column chromatography?
10. What are the stationary and mobile phases in column chromatography?
11. Explain the packing of the column.
12. What are the solvents used in column chromatography?
13. What is the functional group region in IR Spectroscopy?
14. What is the peak region of -OH group in IR spectrum?
15. What is the C=O region in IR Spectrum?
16. What are the regions of 1°, 2°, 3° amines in IR Spectrum?
17. What is the δ value of CDCl₃ peak in NMR?
18. What is TMS?
19. What is the TMS value in NMR Spectrum?
20. What is chemical shift?
21. What is the aromatic region in NMR?
22. What are the ortho, meta, para proton values in ¹H NMR?
23. What is the difference between δ and J values?

INAUGURATION



KEYNOTE ADDRESS_Dr Ramesh Boga



Address by Dr Santi Kumar



CONVENOR'S Opening Remarks



TECHNICAL SESSIONS



TECHNICAL SESSIONS



TECHNICAL SESSIONS



CERTIFICATES DISTRIBUTION

FEEDBACK



ఈనాడు PRESS REPORT

ముగిసిన సైన్సు తరగతులు

జగన్నాథపురం: స్థానిక అన్నవరం సత్యవతి దేవి ప్రభుత్వ మహిళా డిగ్రీ కళాశాలలో రసాయనశాస్త్ర విభాగం ఆధ్వర్యంలో ఏడు రోజులుగా నిర్వహిస్తున్న సైన్సు తరగతులు సోమవారంతో ముగిశాయి. ముఖ్యఅతిథిగా హాజరైన రమేష్ మాట్లాడుతూ కర్చన సమైకనాలపై విద్యార్థినులకు అవగాహన కల్పించారు. ఈ కార్యక్రమంలో అధ్యాపకులు శాంతికుమార్, ప్రిన్సిపల్ ఎం.సువర్చల, రసాయనశాస్త్ర అధ్యాపకులు చెన్నారావు, అనంతలక్ష్మి పాల్గొన్నారు.

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

(Affiliated to AdikaviNannaya University)
Jagannalekpur, Kakinada

DEPARTMENT OF CHEMISTRY

UTILISATION CERTIFICATE

Certified that an amount of Rs. 50,000-00/- (Rupees. Fifty thousand only) has been utilized out of the grant of Rs.50,000/- allocated from St. Theresa's College for Women(A), Eluru vide No. F. MRP-325/2019 (STP/RUSA 2.0-STC) Dated June 2019 with LINKNO:3-19/8 for the purpose for which it has been sanctioned i.e., towards the Financial Assistance to the RUSA Colleges for the financial year 2019-20.

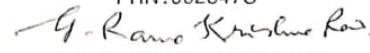
ABSTRACT

Total Amount of Grant Sanctioned to Chemistry	: 50,000-00
Amount of Expenditure Incurred	: 50,000-00
Amount Released	: 25,000-00
Balance Amount to be reimbursed	: 25,000-00


Signature of the Convener
28/12/19

M. Suvarchala
Signature of the Principal
28/12/19
Principal (F.C.)
A.S.D. GOVT. DEGREE COLLEGE (W)
JAGANNALPUR
KAKINADA

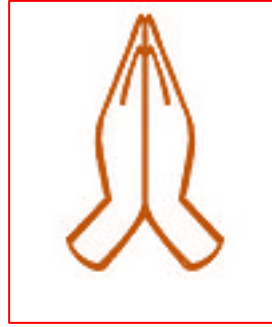
For G. RAMA KRISHNA RAO & CO.,
Chartered Accountants
FRN:002847S


(CA. G. RAMA KRISHNA RAO)
Partner - M. No. 10552
Signature of the Statutory Auditor
With Seal and Date



UDIN: 19010552AAAAFU428

ACKNOWLEDGEMENTS



I extend my sincere thanks and gratitude to the Principal and Coordinator, RUSA of St. Theresa College, Eluru for providing financial assistance for the conduct of the Training programme. I thank our beloved Principal for her constant support, the Resource persons for their cordial acceptance, the organizing committee for their extensive cooperation, coordination and the students for their active participation.

Dr. D. Chenna Rao, M.Sc., NET, Ph.D.
Convenor/Coordinator, IQAC