

## **Departmental activities**

### **2018-2019**

- A guest lecture was conducted for M.Sc. Chemistry Students on “Software Programming” by Dr. S.Sreekanth on 10<sup>th</sup> April 2018.
- Mohd. Afzal Mohiuddin, Ramitha Nair R, Jayamala, Dr.K.Vijaya Lakshmi, B.Sandhya, R. Shiva Jyothi and Dr.K.Eshwari have attended One Day Seminar on “New Exciting Frontiers of Chemical Sciences” conducted by Department of Chemistry (PG), Keshav Memorial Institute of Commerce and Sciences on 17<sup>th</sup> November 2018.
- Ramitha Nair R, Dr.K.Vijaya Lakshmi has attended Two Day Seminar on “Molecular Docking Application in Drug Discovery” conducted by Department of Chemistry R.B.V.R.R Womens College Narayanguda on 24-25 January 2019.
- Mohd. Afzal Mohiuddin, Dr.K.Vijaya Lakshmi have attended “Three Day Workshop on Teaching Pedagogy for PG Teachers in Chemistry” conducted by Department of Chemistry Osmania University on 18<sup>th</sup>- 20<sup>th</sup> March 2019.
- Mohd. Afzal Mohiuddin, has attended One Day National Level Workshop on “Virtual Learning an Innovative Path towards ICT Teaching” conducted by Keshav Memorial Institute of Commerce and Sciences on 30<sup>th</sup> March 2019.

- A guest lecture was conducted for M.Sc. Chemistry Students on “Quantum Chemistry” by the Guest Speaker Prof. P. Veerasomaiah on 3rd April 2019.
- A guest lecture was conducted for M.Sc. Chemistry Students on “Spectral Identifications of Natural Products” by the Guest Speaker Dr. Sarbanipal on 2<sup>nd</sup> May 2019.

## **2019-2020**

- Ms. R. Shivajyothi participated in a National Seminar on “Emerging Trends in Nanochemistry” conducted by Keshav Memorial Institute of Commerce and Sciences on 14<sup>th</sup> February 2020.
- Ms. Ramitha Nair R and Dr.K.Vijaya Lakshmi participated and had hands on session on Molecular Sketching and docking 2D and 3D in One Day Molecular Modelling Workshop using Open Source Software conducted by Department of Chemistry, University College of Science, Osmania University on 15<sup>th</sup> February 2020.
- Mohd. Afzal Mohiuddin, Ramitha Nair R, Dr.K.Vijaya Lakshmi participated in the webinar on “ Role of Chemistry in Mitigating Covid 19” held on 13<sup>th</sup> June 2020, organized by Department of Chemistry, SNVMV.
- Mohd. Afzal Mohiuddin, Ramitha Nair R, Dr.K.Vijaya Lakshmi participated in the international webinar on “Covid 19 a pandemic of

corona virus: underlying Chemistry from cause to Cure” held on 15<sup>th</sup> June 2020, organized by Department of Chemistry, SNVMV.

- Dr. K. Vijaya Lakshmi participated in the workshop on “Yoga at Home and Yoga with Family” on 20<sup>th</sup> June 2020 Organized by Department of Physical Education, SNVMV.
- Dr. K. Vijaya Lakshmi participated in International Webinar on “Covid 19 a Pandemic of Coronavirus: Progress in Therapeutic & Vaccine Development” organized by Department of Chemistry, St. Pious X Degree & PG College for Women on 22<sup>nd</sup> June 2020.
- Dr. K. Vijaya Lakshmi participated in webinar on <sup>1</sup>H NMR Spectroscopy organized by Department of Chemistry (PG), Keshav Memorial Institute of Commerce and Sciences on 27<sup>th</sup> June 2020.
- Dr.K.Vijaya Lakshmi participated in Three Day FDP on “Recent Trends in Technology and Teaching Learning Methodology” from 9<sup>th</sup> July to 11<sup>th</sup> July 2020 organized by SAGE University, Indore.
- Dr.K.Vijaya Lakshmi participated in National Webinar “Critical Thinking” organized by Sujatha Degree and PG College for Women, Hyderabad.
- Dr. K. Vijaya Lakshmi participated in one day National Webinar on “Impact of Climate Change on Horticulture and Agriculture in the

present Scenario” on 13<sup>th</sup> July 2020 organized by Department of Botany, in collaboration with IQAC, Anwarul Uloom College, Hyderabad.

- Mohd. Afzal Mohiuddin participated in a Five Day National Level FDP on “Tools for Online Teaching , Learning and Evaluation” organized by the IQAC, RBVRR Women’s College, Narayanguda, Hyderabad during 20- 24<sup>th</sup> July 2020.
- Ramitha Nair R, Dr.K.Vijaya Lakshmi participated in Three Day National Level Online FDP on “Quality Enhancement: Assessment and Accreditation” by IQAC St. Ann’s College for Women, Mehdiapatnam, Hyderabad on 23<sup>rd</sup> – 25<sup>th</sup> July 2020.
- Ramitha Nair R, Dr.K.Vijaya Lakshmi participated in the webinar on “ Gender Sensitization through Prism of Law” organized by Women Study Centre and Women Cell, University College for Women, Koti, Hyderabad on 28<sup>th</sup> July 2020.
- Mohd. Afzal Mohiuddin, Ramitha Nair R, Dr.K.Vijaya Lakshmi participated in One Day National webinar on “ Phytochemistry” on July 27<sup>th</sup> 2020 organized by Department of Chemistry, Anwarul Uloom College and IQAC in collaboration with the National Research Institute of Unani Medicine for Skin Disorder, Hyderabad .

- Ramitha Nair R, Dr.K.Vijaya Lakshmi participated in the webinar on “Immunology of Covid 19 organized by Department of Zoology, Gargi College, and New Delhi on 5<sup>th</sup> August 2020.
- Ramitha Nair R, Dr.K.Vijaya Lakshmi participated in the International Webinar on “Role of Chemists in Discovery of Drug and Vaccine for Covid 19”, organized by the Department of Chemistry, University College of Science, Satavahan University, Karimnagar on 16<sup>th</sup> August, 2020.
- Ramitha Nair R participated in Webinar on “ Covid 19 and the Importance of Nutrition in Supporting Immunity” organized by Health Centre, St. Ann’s College for Women, Mehdipatnam, Hyderabad.
- Ramitha Nair R, Dr.K.Vijaya Lakshmi participated in the Two Day International Webinar on “Emerging Technologies in Drug Delivery and Development” organized by Department of Chemistry, Nizam College, Osmania University on 4<sup>th</sup>- 5<sup>th</sup> September 2020.

## 2021 to 2022

- A guest lecture was conducted for M.Sc. Chemistry Students on “Asymmetric Synthesis” by the Guest Speaker Dr. Sarbanipal on 5<sup>th</sup> February 2021.
- Dr. K. Vijaya Lakshmi participated in Three Day FDP on “Digital Tools for Active Teaching Evaluation and Research” organized by Sri Gvg Visalakshi College for Women, Udumalpet, Tamil Nadu from 28-30 June 2021.
- Ramitha Nair R and Dr. K. Vijaya Lakshmi participated in One Day FDP on “ Advanced Online tools for Teaching & Learning” organized by Kasturba Degree and PG College for Women, Marredpally, Secunderabad on 25<sup>th</sup> June 2021.
- Mohd Afzal Mohiuddin, Ramitha Nair R, Dr. K. Vijaya Lakshmi and R Shivajyothi participated in Six Day FDP on “ Innovative Practice in Chemical Science” organized by Department of Chemistry, A. V. College of Arts, Science and Commerce in collaboration with S.N. Vanita Maha Vidyalaya from 23- 28 September 2021.
- Department of Chemistry PG along with the UG conducted inter collegiate competitions for UG and PG students on ‘Power point presentation & Quiz ‘in ‘Commemoration of 153 years of periodic table, in collaboration with A.V. college of Arts, Science & Commerce on 14<sup>th</sup> February – 2022.



- Intercollegiate Quiz Competitions conducted in ‘Commemoration of 153 years of periodic table, on 14<sup>th</sup> February – 2022.
- M.Sc. Chemistry First and Final year students Kulsum Fathima, Khursheed Fatima along with their team participated and won 1<sup>st</sup> prize in Intercollegiate Quiz Competition.



10 Students from M.Sc. First and Final year participated in Intercollegiate power point presentation conducted in 'Commemoration of 153 years of periodic table, on 14<sup>th</sup> February – 2022.

Kulsum Fathima from M.Sc. Chemistry First year won 2<sup>nd</sup> Prize in Intercollegiate power point presentation.



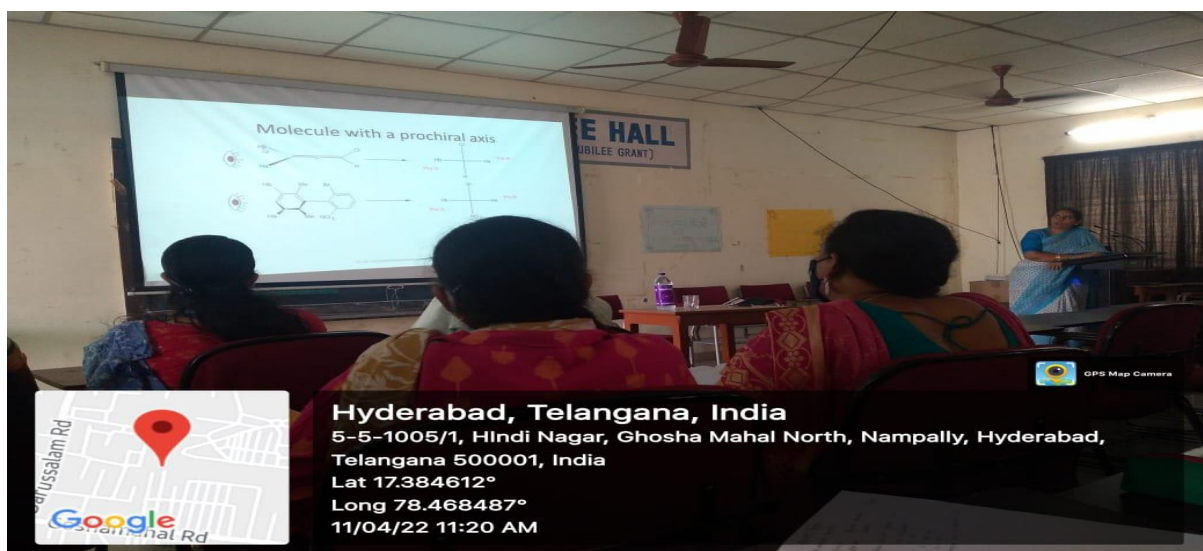
Prize and participation Certificate distribution by Principal and Core Committee Members for the Inter collegiate competitions conducted on 'Power point presentation & Quiz 'in 'Commemoration of 153 years of periodic table on 14<sup>th</sup> February – 2022.





Faculty and M.Sc. Chemistry students participated in National Science day Programme organized by NIN on the Occasion of Azadi Ka Amrit Mahotsav on 25-02-2022

**GUEST LECTURE ON ASYMMETRIC SYNTHESIS BY PROF. VIJJULATHA,  
PRINCIPAL, TELANGANA MAHILA VISHWAVIDYALAYA  
ON 11-03-2022  
IN GOLDEN JUBILEE HALL, SAROJINI NAIDU VANITA MAHA  
VIDYALAYA  
TIME: 10:00AM TO 1:00PM**



**2022-2023**

**“Gyana Jyothi Outreach Programme”**

**Conducted on 12<sup>th</sup> October 2022**

**Department of Chemistry (PG)** – Mohd. Afzal Mohiuddin , Ramitha Nair R, Dr. K. Vijaya Lakshmi and R. Shivajyothi visited two Government Schools in Amberpet and Nallakunta, Hyderabad as a part of “Gyana Jyothi Outreach Programme” Conducted by Sarojini Naidu Vanita Maha Vidyalaya.

**Visit to Government Boys High School, Amberpet**

We reached the school on 12<sup>th</sup> October 2022 at 11.30AM. The school faculty Mrs. Prasunna introduced our faculty to the students of Class VIII, IX and X who were the part of our outreach programme and also highlighted the purpose of our programme. Few activities were conducted from 12PM to 1 PM as per the syllabus requirement in Chemistry.

**Visit to Government High School, Nallakunta**

We reached the school on 12<sup>th</sup> October 2022 at 2:00PM. The Head Mistress introduced our faculty to the students of Class VIII, IX and X who were the part of our outreach programme and also highlighted the purpose of our programme. Few activities were conducted from 2: 30 PM to 3:30 PM as per the syllabus requirement in Chemistry.

**Necessary glassware and chemicals were taken to the schools as a part of this programme.**

**Activities Conducted**

The activity began with an introduction to Chemistry- Name of glassware and chemicals used in the activity.

**Activity- I: Litmus and pH test:**

Acidic solution, Basic solution, Distilled Water and Salt solution were tested using litmus and pH paper.





### **Activity- II: Identifying Acid – Base using Indicator:**

Acidic and Basic solutions were identified using Phenolphthalein Indicator and the concept of neutralization was demonstrated.



### **Activity- III: Chromatography:**

The concept of Chromatography was explained by analysing the samples on Thin Layer Chromatographic plates and running the plates in mobile phase.



1-9-1062/A/5/a, No 3 St, near  
Pochamma Temple, Vidya  
Nagar, Adikmet, Hyderabad,  
12 Oct 2022 02:53 pm



### Activity- IV: Separation of Immiscible Liquids:

A mixture of immiscible liquids- Nitrobenzene and water were separated by using separating funnel apparatus.



9GV7+FXC, Pochamma Basthi,  
Sarada Nagar, Amberpet,  
Hyderabad, Telangana  
12 Oct 2022 12:38 pm



### Activity- V: Sublimation:

The concept of Sublimation by heating a mixture of chalk powder and ammonium chloride in a china dish.





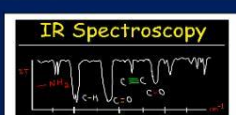
## **CONCLUSION:**

The outreach Programme provided the students with an opportunity to understand their course content and make them aware of the significant role of experimental learning for a better understanding of the concept as majority of the government schools lack proper lab facilities. The objective of our outreach programme was achieved as the students participated enthusiastically and had zeal to learn the experiments shown.

**GUEST LECTURE BY MOHD AFZAL MOHIUDDIN, PG FACULTY  
AT ST. JOSEPH DEGREE COLLEGE FOR WOMEN ON 10<sup>TH</sup>  
NOVEMBER 2022**



St. JOSEPH'S  
DEGREE COLLEGE FOR WOMEN



**GUEST LECTURE IN**

**"INFRA RED SPECTROSCOPY "**

Date: 10 NOVEMBER ,2022

Time: 10-11:30 a.m

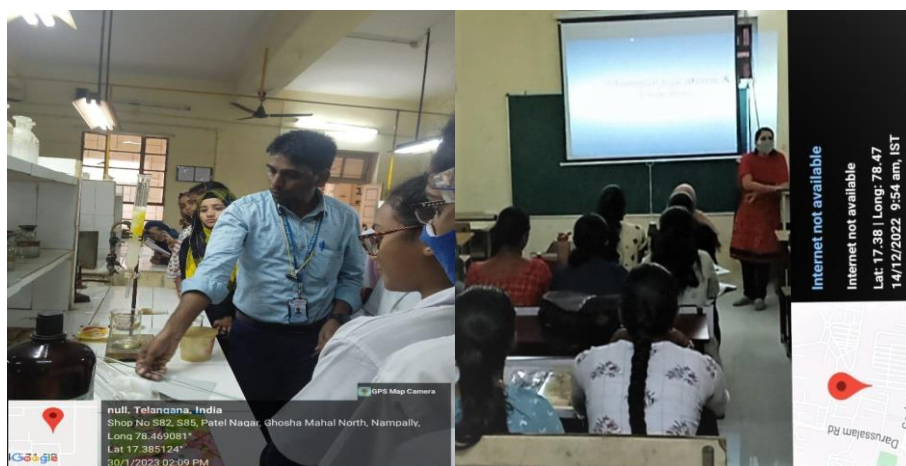
**CLASS: B.SC III YR ANBC & ANZC**

**Venue:- room no 305**

By:-Mr Mohd. AFZAL  
MOHIUDDIN  
Asst. Professor  
PG faculty for M.Sc  
chemistry  
SN VANITA



Department of Chemistry PG conducted a 30hr Add- on Course titled 'Academia –Industry Interface" from 12<sup>th</sup> December 2022 to 4<sup>th</sup> February 2023 for M.Sc. Chemistry Students





**Industrial visit to ARCI – International Advanced Research Centre for Powder Metallurgy and New materials, Balapur, Hyderabad on 19<sup>th</sup> January 2023 by Faculty from Department of Chemistry and M.Sc. Final year Students**





**Industrial visit to Sai Life Sciences Private Limited, Shameerpet, Hyderabad on 25<sup>th</sup> January 2023 by Faculty from Department of Chemistry and M.Sc. Chemistry Students as a part of Add- on Course titled ‘Academia –Industry Interface’**



A guest Lecture on Add- on Course titled ‘Academia –Industry Interface’ was conducted on 31<sup>st</sup> January 2023

**Guest Speaker: Dr D. Bhanudas**  
**Senior Research Scientist,**  
**Escientia Biopharma Pvt Ltd, Hyderabad**  
**Topic: Analytical and Purification Techniques – Industry Prospective**





- Mohd Afzal Mohiuddin along with M.Sc. Chemistry First year students attended Open Day at CCMB, Hyderabad on 28<sup>th</sup> February 2023 on the occasion of National Science Day.

