



A.P.C Mahalaxmi College for Women, Thoothukudi

Department of Chemistry

Association Report

2019-2020

On behalf of the chemistry association, a guest lecture was organised on 03.07.2019. Dr. Chandramouli, Technical Senior manager Heavy water plant delivered a lecture on “HWP an overview”. Dr. Rajamohan, HWP Thoothukudi explained the internship details for the PG students’ project. Dr. H. Kohila Subathra Christy welcomed and delivered the vote of thanks. All final year UG students and PG students interacted with the resource person effectively.

Motivational talk was delivered by our department alumna Ms. M. Mahalakshmi on the topic career guidance through video conferencing at 1.30 pm on 19.7.19 All final year UG students and PG students interacted with the resource person effectively.

Industrial visit was carried out at Heavy Water Plant (HWP), Thoothukudi, Department of Atomic Energy, Tamilnadu, on 8th August 2019. The main objective behind the visit was to make student aware about how various activities related to chemical products manufactured and human resource are carried out I Industry. 52 students of III UG & II PG and accompanied 4 staff members were left for visit at 9.30 a.m from our college campus in a private vehicle and it was took about 30 minutes to reach.

As soon as we reached the industry, we were refreshed with tea and snacks and guided by Mr. M. Chandra Mouli (Technical Services Manager) & Mr. R. Raja Mohan (PC & AL) and in the seminar hall building where an orientation of industry was given about the history of the industry. It was great to know that industry follows conservation of environment, social services, education, Award for the employees and conscious about clean and green.

After introduction all students were brought to visit plant to understand how production is carried out in company and how company reaches their customer. The organization is primarily responsible for production of Heavy water (D₂O) (from normal water) which is used as a Moderator and coolant in nuclear reactor. HWP consists of two plants i) solvent production plant ii) solvent extraction plant. HWP has entrusted with development and deployment of technology for separation of rare materials from phosphoric acid and production of solvents. The product from this plant will be sent to other DAE units for further separation and refining and will be finally utilized for Indian nuclear program.

Energy Auditing , Flue Gas Conditioning, Surplus Electrical Power Supply, Process

Retrofitting / Re-engineering, Integrated Energy Management, Commissioning Assistance & Safety Assessment. The team was able to gather knowledge on manufacturing processes starting from raw material producing to final product making process.

In connection with the Birth Anniversary of Dr. A.P.J Abdul Kalam, Chemistry association conducted a special programme was organised at 1 a.m on 26.7.2019. Dr. S. Sivakami sundari, Assistant Professor of Tamil was the invited chief guest. Dr. H. Kohila Subathra Christy head, Department of Chemistry welcomed the gathering. Dr. Abdul Kalam's life history, childhood, education, research findings as president was elaborated by the resource person. All Chemistry students were the beneficiaries.

To pay tribute and remember all the freedom fighters that had contributed a lot and fought for the Independence of India. The **73rd Independence Day** was celebrated at the College premises by the **Department of Chemistry** on August 15th, 2019. All the staff and students were gathered in the College premises at 8.00AM to celebrate the function. A disciplined and uniformed **NSS volunteers** added to the spectacle of the ceremony.

The Chief Guest **Dr.P.G.Seethalakshmi**, Former Principal, has accepted the Guard of Honor by the College N.C.C team and to commemorate the sovereignty of our country the Chief guest unfurled the tricolor in the backdrop of melodious notes of the flag song along with the dignitaries who were escorted by **Lt. Muthukani, ANO** and **Mrs. H.Kohila Subathra Christy, NSS Program Officer, Unit No. 47& Dr. J.Vasantha Sena, NSS Program Officer, Unit No.57** and all in unison sang the flag song and expressed the joy of freedom. Our Principal **Dr.N.Meenakumari** welcomed the gathering and honored the Chief Guest with the memento. The Chief Guest delivered the Independence Day message. She told the students about the supreme sacrifice the great martyrs who gave their lives for the sake of freedom. She also said that the freedom was very precious and it was very necessary to preserve.

Then the staff member of various Departments gave their Independence Day message. All the speakers spoke on the significance of the historic day. They advised the students to become ideal citizens of the country. India is a unique blend of diverse religions, languages, cultures, faiths, beliefs rituals and practices which were portrayed by a small cultural programme put up by the students including Bharadanatyam, mime, and dance. In connection with Independence Day celebration a Rangoli competition was conducted by the Department of Chemistry on "**Corruption free India**" and fancy dress competition on "**The Great Indian Leaders**".

Finally, **Dr.H.Kohila Subathra Christy, Head, Department of Chemistry**

concluded the day up with the vote of thanks, this day reminds us every year that freedom is sacred and citizens must do everything to ensure that it shall not be endangered. The Independence Day celebration was over successfully with the **National Anthem**.

On behalf of the Chemistry association, an alumnae meet was conducted at 2.00 p.m On 15.08.2019. Mrs. Raja Kavitha, Manager, Union Bank of India, Thoothukudi, alumna of Chemistry welcomed the gathering. Alumni of various batches attended the function. Chief guest delivered a talk and Games were conducted especially for alumni students. Dr. P. Yokeswari Nithya delivered the formal vote of thanks.

Competitions conducted by Chemistry association

S.No	Date	Competition	Prize
1.	09.08.2019	Book Recitation (Book lovers' Day)	I Prize - M. Subashree - I B. Sc Maths (U.A) II Prize – Alagu Meena - II B. Sc Zoology
2.	14.08.2019	Pencil Drawing	I Prize - S. Akila – II M. Sc Chemistry II Prize - P. Muthumari - II M. Sc Chemistry
3.	14.08.2019	Tamil Elocution	I Prize - V. Krishna Prabha – II M. Sc Chemistry II Prize - M. Karthiga – II M. Sc Chemistry
4.	15.08.2019	Rangoli Competition (Corruption Free India)	I Prize - M. Ilakiya T. Sobika – I B. Sc Chemistry; II Prize - S. Akila, V. Krishna Prabha - II M. Sc Chemistry II Prize - Sindhuja, PonIndra – I B. Com (R)
5.	15.08.2019	Fashion Parade	I Prize - P. Regina – II B. Com (R) II Prize - Sakthi Swarna – I.

			B. Sc Maths
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Prize winners

S.No	Name	Register. No	Maj or Classes	Event	Organised By	Outcome
1.	T. Sobika	20192011 504142	I Year	Rangoli	A. P. C. Mahalakshmi College for Women	I Prize
2.	M. Ilakkiya	20192011 504112	I Year	Rangoli	A. P. C. Mahalakshmi College for Women	I Prize
3.	P. Muthu Pavithira	20192011 504124	I Year	Drawing	Tamil Department A. P. C. College	II Prize
4.	G. Maha Lakshmi	20182011 504122	II Year	Kho-Kho	A. P. C. College	Second Position
5.	G. Maha Lakshmi	20182011 504122	II Year	Marathon 5km	A. P. C. College	Third Position
6.	G. Maha Lakshmi	20182011 504122	II Year	800m Run	A. P. C. College	Third Position

7.	G. Maha Lakshmi	20182011 504122	II Year	Marathon 6km	Sivanthi Aathithanar College Thiruchenthoor	Seventh Position
8.	G. Maha Lakshmi	20182011 504122	II Year	Marathon 5km	Kamaraj College Thoothukudi	Sixth Position
9.	S. Uma Sankari	20172011 504143	III Year	Poster Making	Eco Club	I Prize
10.	M. Bagavathi Gayathri	20172011 504104	III Year	Basket Ball	M. S. University	III Place

A guest lecture was conducted at 11.00 am on 09.01.2020. Dr. Rajamohan delivered a guest lecture on “cooling water treatment programmes in Heavy water plants. He gave an interesting features of HWP and cooling water specialisation and its characteristics.

A guest lecture was conducted at 11.00 am on 11.02.2020. Dr. Manoharan Ramaswamy delivered a guest lecture on “molecules to medicines”. He explained about the normal human cell and its functions, basic principles of DNA structure and its synthesis.

National science day competition was conducted on 28th February 2020. The topic given for the collage competition was “Women in Science”. Ten students of various discipline were participated. K.Shanmuga Priya of I B.Sc Maths won the first prize. M.Syed Subahani of I B.Sc Chemistry won the II Prize.

Department of Chemistry, National Service Scheme (NSS) and Legal Literacy Club of A.P.C.Mahalaxmi College for Women, Thoothukudi, jointly organized a Webinar “CORONA CRISIS AND LAW IN INDIA” on 08.05.2020 at 11.00 a.m to 12.00 p.m through ZOOM meeting. The resource person of this Webinar was the eminent Lawyer S.Sornalatha, MA.,ML.The Webinar started exactly at 11.00 a.m. Dr.H.Kohila Subathra Christy, Head, Department of Chemistry and NSS Programme Officer Unit No. 47 welcomed the resource person and the participants. Dr.N.Meenakumari, Principal, presided the Webinar. The resource person Lawyer S.Sornalatha gave an excellent talk on Corona crisis and the law and order in India during this pandemic. She vividly explained the different acts during the curfew and lockdown. Nearly 50 participants including faculty members and students were actively participated in the Webinar. Dr.J.Vasantha Sena, Assistant Professor of English and

NSS Programme Officer Unit No. 57 expressed her gratitude to the resource person and all the participants.

Department of Chemistry, A.P.C.Mahalaxmi College for Women organized an online quiz “International family day quiz” on 14.05.2020 & 17.05.2020. 1600 participants from our college and other institutions have participated enthusiastically.

The COVID-19 pandemic, also known as the coronavirus pandemic, is an ongoing pandemic of coronavirus disease 2019 (COVID-19). The pandemic has affected all ways of life, forcing the biggest lockdown in history with billions of people advised to stay indoors. Unleashing the power of imagination in the time of a pandemic and lockdown, the Department of Chemistry, A.P.C.Mahalaxmi College for Women organized an online competition “COVID-19 DRAWING CONTEST” on 15.05.2020. 50 participants from our college and other institutions have participated enthusiastically. Mr. K.Mari Ananthan, artist, judged the drawings and the list of prize winners are:

Cartoon Drawing

- I Prize-C.E.Priyadharshini, SDNP Vaishnav College for women, Chromepet, Chennai
- II Prize-B.Priyanka, III B. Com.(R), A. P. C. Mahalaxmi College for Women, Thoothukudi
- III prize-G.Amirtha, I B. Com(I Batch), A. P. C. Mahalaxmi College for Women, Thoothukudi

Pencil Sketching

- I Prize-C.Vijaya Sangeetha, III B. Sc. Physics A. P. C. Mahalaxmi College for Women, Thoothukudi
- II Prize-P.Muthu Pathira, I B. Sc. Chemistry A. P. C. Mahalaxmi College for Women, Thoothukudi
- III Prize-M.Brintha, III B.A. English, A. P. C. Mahalaxmi College for Women, Thoothukudi

Unleashing the power of imagination in the time of a pandemic and lockdown, the Department of Chemistry, A.P.C.Mahalaxmi College for Women organized an online quiz “CHEM QUIZ” on 15.06.2020 & 16.06.2020. 527 participants from our college and other institutions have participated enthusiastically.

During the time of a pandemic and lockdown, In connection with WORLD FOOD SAFETY DAY as a special day, the Department of Chemistry, A.P.C.Mahalaxmi College for Women organized an online quiz “WORLD FOOD SAFETY DAY QUIZ-2020” on

07.06.2020. 886 participants from our college and other institutions of India have participated enthusiastically. E-certificate was provided to participants who score more than 40% mark in quiz.

Department of Chemistry, A.P.C.Mahalaxmi College for Women organized an online competition on 14.06.2020 & 17.06.2020. **100 responses (Logo design) & 170 responses (Best E-Poster & Best comments) were received.** Participants from our college and other institutions have participated enthusiastically.

Thoothukudi 2020 July 6, The Department of Chemistry and the APCian Research Forum of A.P.C. Mahalaxmi College for Women, Thoothukudi jointly organized a Faculty Development Programme on **“INNOVATION & INTELLECTUAL PROPERTY RIGHTS”**. The Resource Person Prof. Dr.T. Parimelazhagan, Department of Botany, Director IPR Cell, Bharathiar University, Coimbatore. Our Principal Dr.N. Meenakumari welcomed the Resource Person. He spoke on the topic IPR and he discussed the various aspects of intellectual properties such as Patent Right, Trademarks, industrial Design and Geographical Indication. 762 participants attended this programme through zoom platform. The arrangement for this programme was done by the coordinator Dr.H. Kohila Subathra Christy, Head Department of Chemistry and the organizer Dr.D. Shanmuga Priya, Assistant Professor of Chemistry. The Programme was a great success with the support of the president Thiru.A.P.C.V. Chockalaingam, the principal Dr.N. Meenakumari, the Director Dr.K. Sathya Bama and the members of the APCian Research forum. The co-ordinators thanked the participants for their enthusiastic participation.

Thoothukudi 2020 July 11. The Department of Chemistry, A.P.C. Mahalaxmi College for Women, Thoothukudi organized a webinar on **“PHYTOREMEDIATION TECHNOLOGIES : AN OVERVIEW”**. The Resource Person Prof. Dr.P.Thangavel, Department of Environmental Science, Periyar University, Salem. Our Principal Dr.N.Meenakumari welcomed the Resource Person. He spoke on the topic Phytoremediation Technologies: An Overview and he discussed the various Phytoremediation Technologies. 967 participants attended this programme through zoom platform. The arrangement for this programme was done by the coordinator Dr.H. Kohila Subathra Christy, Head Department of Chemistry and the organizer Dr.P.Yokeswari Nithya, Assistant Professor of Chemistry. The Programme was a great success with the support of the president Thiru.A.P.C.V. Chockalaingam, the principal Dr.N. Meenakumari, the Director Dr.K. Sathya Bama and the

members of chemistry. The co-ordinators thanked the participants for their enthusiastic participation.

Thoothukudi 2020 July 13. The Department of Chemistry and National Service Scheme A.P.C. Mahalaxmi College for Women, Thoothukudi and District Legal Services Authority, Thoothukudi jointly organized a webinar on “**GENDER BASED VIOLENCE**”. The Resource Person Mr.R.Samuvel Penjamin, Secretary Senior Civil Judge and Mrs.S.Sornalatha, Panel Lawyer, Thoothukudi. Our Principal Dr.N. Meenakumari welcomed the Resource Person. He spoke on the topic Gender Based Violence and Mrs.S.Sornalatha Lawyer discussed the Women Rights Act. 854 participants attended this programme through zoom platform.

The arrangement for this programme was done by the Dr.H. Kohila Subathra Christy, Head Department of Chemistry and the coordinator Dr.J.Vasanth Sena, Assistant Professor of English. The Programme was a great success with the support of the president Thiru.A.P.C.V. Chockalaingam, the principal Dr.N. Meenakumari, the Director Dr.K. Sathya Bama and the member of National Service Scheme. The co-ordinators thanked the participants for their enthusiastic participation.

N. Meenakumari
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A.P.C. Mahalaxmi College For Women
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