



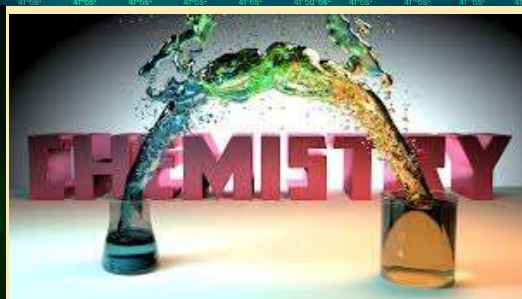
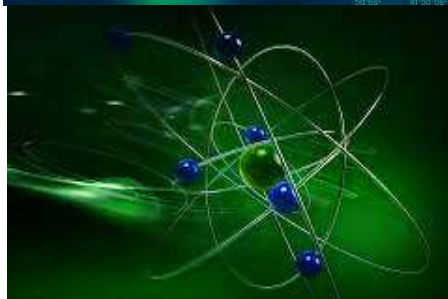
MILESTONE

POST GRADUATE DEPARTMENT OF CHEMISTRY

December 2022

Vol. 2 Issue. 1

The periodic table is displayed with various groups highlighted. The groups highlighted include: Alkali metals (Group 1), Alkaline earth metals (Group 2), Transition metals (Groups 3-10), Nonmetals (Groups 14-18), Other nonmetals (Groups 13, 15, 16, 17), Halogens (Group 17), Poor metals (Groups 11, 12), and Metals (Groups 13, 14, 15, 16, 17, 18).



Look Out

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EDITORIAL TEAM

Dr. E. THAMARAI SELVI

Ms. K. PRIYA SUDHA

Dr. R. VASHANTHA

Dr. A. SUMITA

Dr. V. SRIBHARATHY

Dr. K. SANGEETHA

Dr. R. J. KAVITHA

Dr. N. S. SANGEETHA

Dr. T. NANDHINI

Dr. N. SUGANYA

CLICK CHEMISTRY

THE NOBEL PRIZE IN CHEMISTRY 2022 IS ABOUT MAKING DIFFICULT PROCESSES EASIER. **BARRY SHARPLESS AND MORTEN MELDAL** HAVE LAID THE FOUNDATION FOR A FUNCTIONAL FORM OF CHEMISTRY – **CLICK CHEMISTRY** – IN WHICH MOLECULAR BUILDING BLOCKS SNAP TOGETHER QUICKLY AND EFFICIENTLY. **CAROLYN BERTOZZI** HAS TAKEN CLICK CHEMISTRY TO A NEW DIMENSION AND STARTED UTILISING IT IN LIVING ORGANISMS.



Barry Sharpless



Morten Meldal



Carolyn Bertozzi

PRINCIPAL'S MESSAGE

"Achievements of today are the stepping stones for the future one"

On the occasion of the release of the Volume 2 Issue 1 of "Milestone" the newsletter of the Postgraduate Department of Chemistry, I congratulate the entire team involved in the planning, designing and execution of the work. The slew of activities of the Department attests for the dedication and hard work of the staff and students. I take this opportunity to wish the Department of Chemistry many more achievements in the days to come.



HOD'S MESSAGE

"Everyone can rise above their circumstances and achieve success if they are dedicated to and passionate about what they do"-Nelson Mandela.

It gives me immense pleasure to bring out the Volume 2 Issue 1 of our Newsletter 'Milestone'. The first half of the academic year of 2022-2023 was eventful and presented opportunities to bring out the best in us. Positive attitude and untiring efforts have paved way to achievements and strengthened our determination. I appreciate the motivation and involvement of staff and students of our department in making the current issue of 'Milestone' a reality and a success.



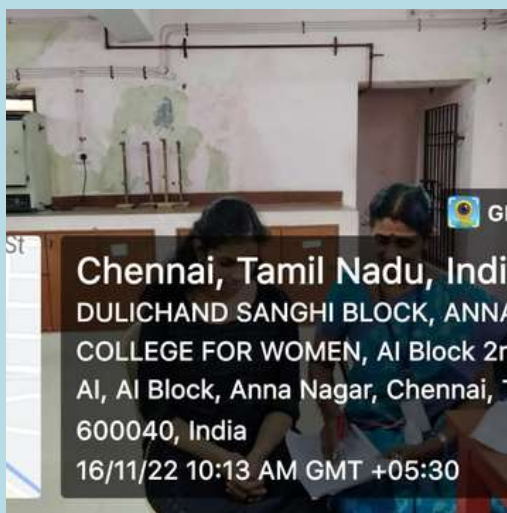
BENCHMARK

RESEARCH PROJECT

- Our Management, Punjab Association generously sanctioned a SEED FUND of Rs.17.5 lakhs for the Research project titled "Designing and Application of Nanohybrid Sensors for Hormone Detection". An Electrochemical Workstation CHI 660E was received by the Department on 3/11/2022.

"SPARK"

- SPARK is a unique and student - centered initiative to help academically weak students perform better. Teachers give individual attention to students requiring coaching.
- Slow learners are given special attention and assistance during Practical Classes as well.



CERTIFICATE COURSE

- First Year of the DMLT course offered by our department, in collaboration with Stannis Institute of Allied Health Science, was successfully completed. Students gained hands on experiences in performing clinical laboratory test.



INAUGURATION OF ELECTROCHEMICAL WORKSTATION

- The PG Department of Chemistry held the inauguration of Electrochemical Workstation CHI 660E in the research lab on 14.12.2022. Mr. Sunil Hasija, Correspondent inaugurated the instrument and commissioned it for use in carrying out a research project titled "Designing and Application of Nanohybrid Sensors for Hormone Detection" funded by our Management Punjab Association. The inaugural function was graced by Mr.Vijay Bhatia, Vice President & Chairman (Non-Academic), Dr.R.Shanthi, Principal, Dr.Jayashree Ghosh, Director, Management studies, Dr.B.Sudha, Dean Research, Dr.Hannah Vijaykumar, Dean Computation studies, Heads and staffs of other Departments.



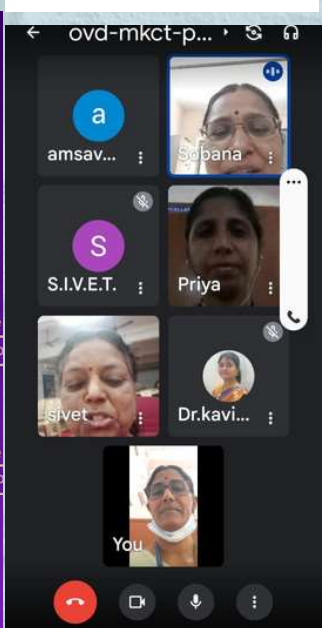
STAFF ACHIEVEMENTS

Research paper Publication:

- Dr.E.Thamarai Selvi published an article titled "Recent Advances Review on Iron Complexes as Catalyst in Oxidation Reaction of Organic Compounds" in Asian Journal of Chemistry" Vol.34 No.8 (2022),11938.
- Dr.E.Thamarai Selvi has reviewed research articles of "CATALYST" published in Oriental Journal of Chemistry.

Resourse Person:

- Dr.E.Thamarai Selvi, delivered a Guest Lecture on "Stastical Thermodynamics- A Comprehensive approach" held at St. Aloysius College, Thrissur on 6th and 13th August 2022.
- Ms.K.PriyaSudha & Dr.R.Vashantha, delivered Guest Lectures on Polymer Chemistry held at S.I.V.E.T college, on 12th and 13th September 2022, Chennai.
- Dr.N.S.Sangeetha, delivered a Guest Lecture on "Electrochemical Sensors" at Annai Violet arts and science College, on 22nd September 2022, Chennai.
- Dr. A. Sumita was awarded Ph.D. Degree by the University of Madras on 30th June 2022.



STUDENT ACHIEVEMENTS

V.Rajeswari -III UG

- Won 2nd prize at **National Level Drawing competition** conducted by Kaviarasu Kalai Tamil Sangam on the occasion of 73rd Republic Day Celebration on 11th October 2022.
- Won 2nd prize in collage competition conducted by PG Department of Chemistry on "World Ozone Day" on 20th September 2022.
- Won 1st prize on Quiz competition "Azadi ka Amrit Mahotsav" DAE – ICONIC WEEK SCIENCE Program, conducted by IGCAR, Kalpakkam at Anna Adarsh College for Women on 25th August 2022.

M.Valliammai – III UG

- Won 2nd prize on Quiz competition "Azadi ka Amrit Mahotsav" DAE – ICONIC WEEK SCIENCE Program, conducted by IGCAR, Kalpakkam at Anna Adarsh College for Women on 25th August 2022.

S.Monisha – III UG

- Won 3rd prize on Quiz competition "Azadi ka Amrit Mahotsav" DAE – ICONIC WEEK SCIENCE Program, conducted by IGCAR, Kalpakkam at Anna Adarsh College for Women on 25th August 2022.

A. Ramya – II UG

- Won 4th prize on Quiz competition "Azadi ka Amrit Mahotsav" DAE – ICONIC WEEK SCIENCE Program, conducted by IGCAR, Kalpakkam at Anna Adarsh College for Women on 25th August 2022.



STUDENT ACHIEVEMENTS

M. Hema – III UG

- Won 3rd prize in 25th Thiruvallur District Karate Championship for Women under 21- year Kumite on 14th August 2022.
- Won 3rd prize in 25th Thiruvallur District Karate Championship for Women under 21-year KATA on 14th August 2022.
- **M. Yuvashree – III UG** participated in National Level Drawing competition conducted by Kaviarasu Kalai Tamil Sangam 11th October 2022.
- **K.Yagnasri - III UG** won consolation prize in National level oratorical competition conducted by Tamilnadu Dr.Ambedkar University as part of National Vigilance Week Celebration on 5th November 2022.
- **Students of II year & I year B.Sc Chemistry** - nearly 31 Students participated in **World Record Singing Bharathiyar Song** conducted by Tamil Department shift I at Anna Adarsh College for Women.
- **Aneez Fathima II UG** Won appreciation certificate as Kalaisemyal from the Ilanthamilar Peravai.
- Received Participation certificate from Kaviarasu Kalai Tamil Sangam conducted a National Level Drawing competition, on 11th October 2022.
- **P.Kalaiselvi I UG** Won 3rd prize in Glass Painting competition conducted by student council of Anna adarsh college on september 2022.



STUDENT ACHIEVEMENTS

A.K.S.Kamali II UG

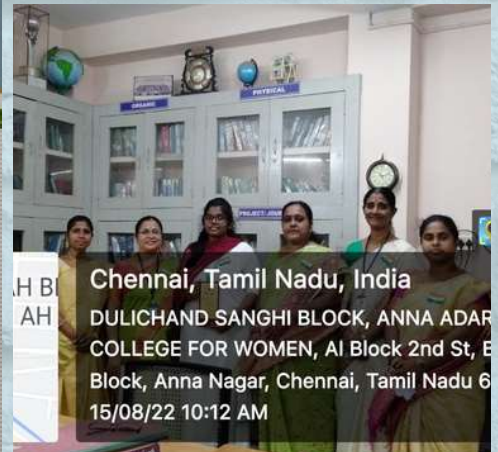
- Won 2nd prize in Oratorical Competition conducted by PG Department of Chemistry on World Ozone Day, on 20th September 2022.
- Participated in Tamil Oratorical competition conducted by Muthukumarasamy college.
- Received participation certificate from Kaviarasu Kalai Tamil sangam conducted a National Level Drawing competition, on 11th October 2022.
- **S.Pavani II UG** won 2nd prize in singing competition at Anna Adarsh College for Women, on 15th August 2022.
- **S.Mahalakshmi II UG** won 1st prize in the poster painting with slogan on occasion of World Nature Conservation Day conducted by Department of Accounting & Finance, on 28th July 2022.
- **M.Sindhu , R.Hemapriya & M.Jancy II UG** participated in "National Level Drawing competition" conducted by Kaviarasu Kalai Tamil sangam, on 11th October 2022.
- **K.Renugadevi II UG** won appreciation certificate as Kalaisemyal from the Ilanthamilar Peravai.
- Participated in "National Level Drawing competition" on 11th October 2022 conducted by Kaviarasu Kalai Tamil Sangam.
- **R. Afraah Niha II UG** won 2nd prize in "Instant Cooking Without Fire" conducted by Department of Home Science in collaboration with NSS unit at Anna Adarsh College for Women, on 27th September 2022



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09/20/2022 12:09 PM



Chennai, Tamil Nadu, India
Anna Adarsh College for Women 3/10, AL Block St,
Anna Nagar, Chennai, Tamil Nadu 600040, India
Lat 13.082041°
Long 80.205627°
27/09/22 12:31 PM



Chennai, Tamil Nadu, India
DULICHAND SANGHI BLOCK, ANNA ADARSH COLLEGE FOR WOMEN, AI Block 2nd St, E Block, Anna Nagar, Chennai, Tamil Nadu 600040, India
15/08/22 10:12 AM

STUDENT ACHIEVEMENTS

- *Students of I B.Sc & II B.Sc Chemistry participated in college cultural fest "Manjari", Tamil Department Program Muthamizh vizha, Art Exhibition by Home science Department & various inter-department programmes conducted in the college.*



STUDENT'S CORNER

"Action is the foundational key to all success." – Pablo Picasso

V.Rajeswari-III UG



Bhavani III UG



N.Vinothini-II UG



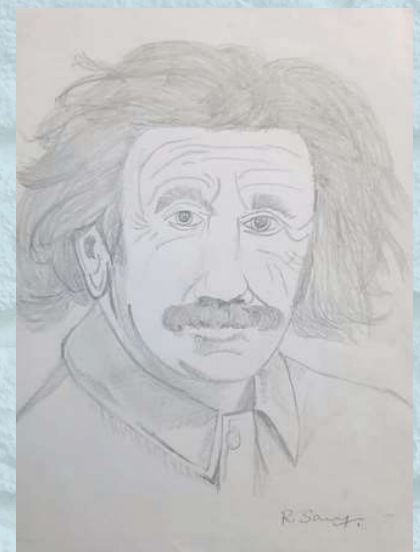
S.Pavani-II UG



Haripriya-II UG



Samyuktha-II UG



S.Mahalakshmi-II UG



STUDENT'S CORNER

"A picture is a poem without words." – Horace

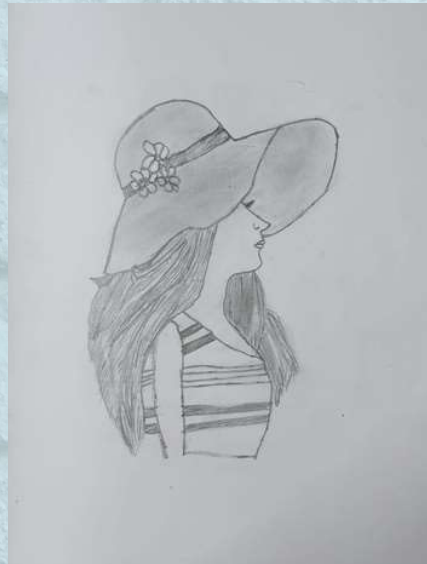
YUVASHREE -III UG



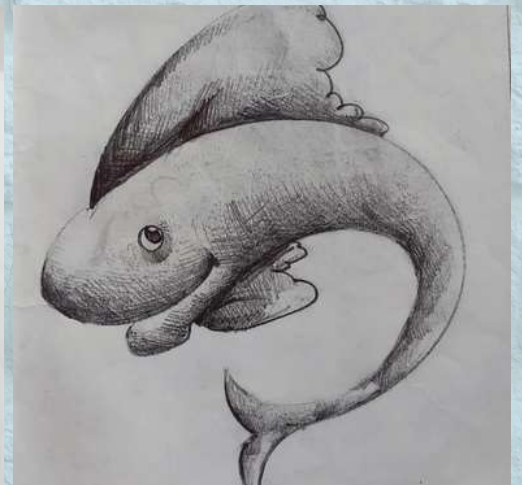
HARINI.H-II UG

JANANI-II PG

GAYATHRI-III UG

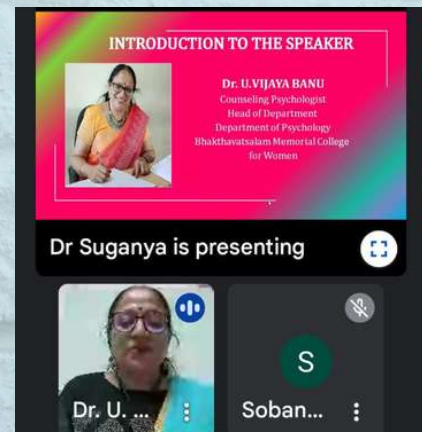
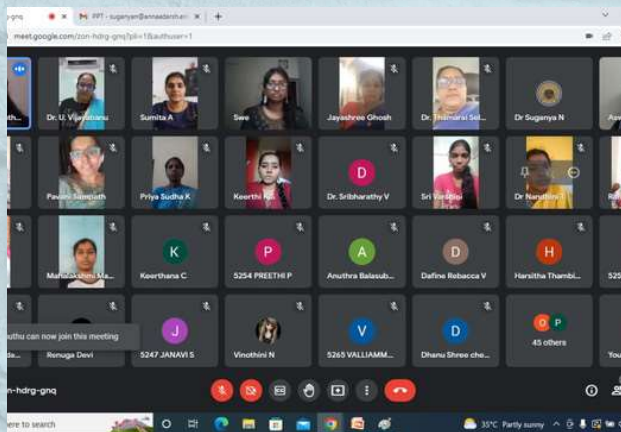


HARINI.H-II UG



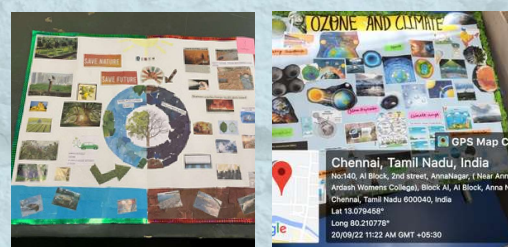
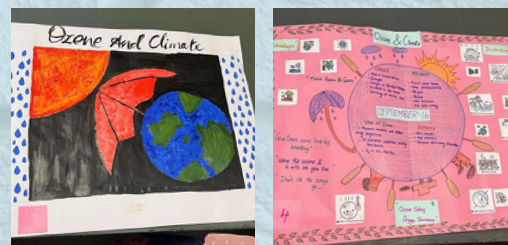
DEPARTMENT ACTIVITIES

- **"Azadi Ka Amrit Mahotsav"** was an event conducted on behalf of 75th Independence Day Celebration, **Indira Gandhi Centre for Atomic Research (IGCAR)** – Kalpakkam & PG Department of Chemistry (IQAC) jointly organizes a program on **"Anu Awareness"** on 25th August 2022, 10.00 am at Library Hall. Eminent Scientist demonstrated various experiments, delivered lecture on Career Opportunity for chemistry students & conducted Quiz Competition for students.
- PG Department of Chemistry & IQAC organized a "Gender Sensitization" on topic "Understanding Gender and their Communication" held on 27th August 2022 at 4.00 pm, delivered by Dr. U. Vijayabanu, Former Head, Department of Psychology, Bhaktavatsalam College, Chennai, 85 UG Students and 11 Faculty attended the program.



DEPARTMENT ACTIVITIES

- PG Department of Chemistry & IQAC organized a program to celebrate "World Ozone Day" on 20th September 2022, 11.00 am at Conference Hall. Inter Departmental competition such as Oratorical and Collage were conducted. Students from various Department participated.



PUNJAB ASSOCIATION'S
ANNA ADARSH COLLEGE FOR WOMEN
Affiliated to University of Madras
Reaccredited by NAAC with A+ Grade
2(f) status under UGC Act

POST GRADUATE DEPARTMENT OF CHEMISTRY
&
IQAC
Organizes
An Interdepartmental
Oratorical & Collage Competition
on 20th September 2022
at Conference Hall @ 11.00 am
to commemorate
WORLD OZONE DAY
JUDGES



Dr. V. Suganthi
Head and Associate professor
Department of Home Science - N&D
Anna Adarsh College for Women



Dr. Devi Manohar
Associate professor
Department of Home Science - N&D
Anna Adarsh College for Women



T. Sobana Premalatha HOD
Dr. Anita Raman Vice Principal & Dean (Academics)
Dr. R. Shanthi Principal

DEPARTMENT ACTIVITIES

- PG Department of Chemistry and IQAC in association with Dr. MGR Education & Research Institute organized a “Career Guidance Program” for Department students on 27th October 2022 at conference hall at 10.00 am. The Resource Person Dr.P. Udhayakala, Dean, Dr. MGR Education & Research Institute, delivered a lecture on the topic “Chemist as Entrepreneurs” and gave an insight to the students about the various Entrepreneurial ventures available for chemistry graduates. The session was attended by 152 students and 11 Faculty members.



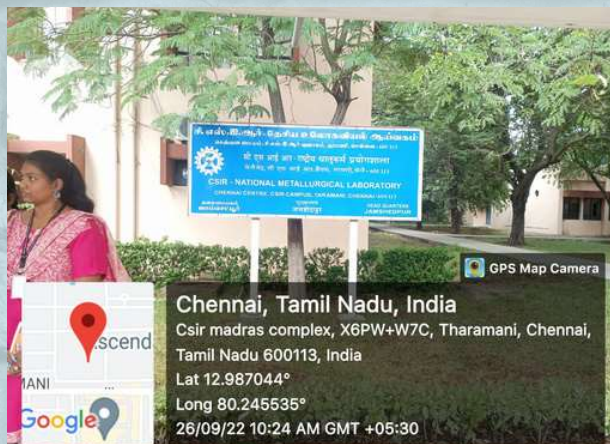
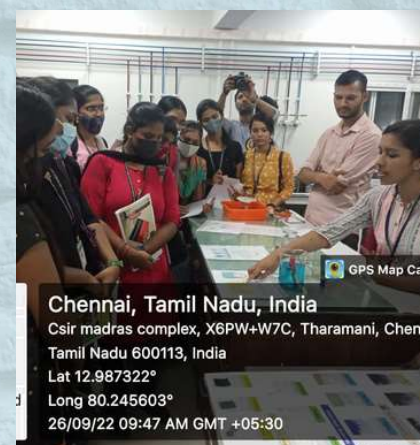
SPECIAL EVENTS

- Department Prayer was conducted by the UG students on 28/10/2022.
- On behalf of the College, Navaratri festival was celebrated by the Department of Chemistry for one week from (26/09/2022 to 29/09/2022),



FIELD VISIT

- On the occasion of CSIR Foundation Day' celebration, our II PG students were taken for Industrial visit to CSIR campus at Tharamani and CLRI on 26th September 2022. On this occasion our students got an opportunity to visit the laboratory and attended the lectures on various research development activities in the field of Chemistry.



TEACHER'S DAY CELEBRATION

- Teachers' day was celebrated on 5th September 2022 in the department. Dr. Jayashree Ghosh, Director, Management Studies, Anna Adarsh College for Women graced the occasion. A cake, prepared by Pavani of II UG Chemistry, was cut by Dr. Jayashree Ghosh mam along with the department staffs. Cultural programmes were organized by the students. A sapling of ZZ Plant (air freshener) was gifted by the students to the Department.



ALUMNI ENGAGEMENT PROGRAMME

- An "Entrepreneur Skill Development" workshop was conducted for the Department students on 28th September 2022, 10.30 am at UG Laboratory by our Alumni Mrs.S.Kalaiyarasi, Entrepreneur (V.V.Products, Pondicherry). She demonstrated the preparation of soaps with various fragrances.



XXXIV GRADUATION DAY

- **XXXIV Graduation Day** was conducted on **17th September 2022**, 47 students from UG and 14 students from PG received their degrees. The following students were the Rank holder for the Academic year 2020-2021.



B.BHUVANESHWARI
IV Rank -III B.Sc Chemistry



G.KAVINALAVU
VII Rank -M.Sc Chemistry
Volume 2; Issue 1



A SNAP SHOTS OF UG & PG GRADUATES