



DEPARTMENT OF CHEMISTRY PROVIDENCE WOMEN'S COLLEGE

2022-23



overview of the department

YEAR OF ESTABLISHMENT 1958

B.Sc CHEMISTRY COMPIMENTARY CHEMISTRY -PHYSICS,ZOOLOGY,BOTANY OPEN COURSE-ENVIORNMENTAL CHEMISTRY ELECTIVE-POLYMER CHEMISTRY

> CERTIFICATE COURSES Water Quality Assessment Research Methods & Writing Solid Waste Management Food Adulteration Food Preservation Techniques Food Additives

SKILL DEVELOPMENT PROGRAMMES BRIDGE COURSES



VISION

To mould our students into motivated and value oriented participants in building the India of our dream

MISSION

To give strong foundation Chemistry Value Based Education Prepare the students to meet the challenges of life

FACULTY



Dr. Sr ASHA THOMAS





DR. ANU JOSE





DR. RESHMA C DR. ANJALI B R DR. LALLU K R

ACHIEVEMENTS

Orientation/ refresher courses attended by faculty

Sr. Ash Thomas: Safer and greener chemistry labsguru Angad Dev Teaching Learning Centre,, and KALSA College Delhi

Dr. Deepthi jose: Digital Pedagogies for achieving Sustainable Development Goals in Education

>AIACHE New Delhi & Lady Doak College Madurai.

Safer and greener chemistry labsguru Angad Dev Teaching Learning Centre,, and KALSA College Delhi

▶ Dr. Anu Jose :4-Week Faculty

induction/orientation O Programme for "Faculty in Universities /Colleges/Institutes of Higher conducted by Ramanujan College of Education ,Delhi

>"Safer and greener chemistry labsguru Angad Dev Teaching Learning Centre,, and KALSA College Delhi

≻Dr. Reshma C:1 Week National Level Online Faculty Development Program on Outcome Based Education (OBE) -The IQAC of JPM Arts and Science College, Kanchiyar, Idukki in association with ipsr solutions limited, Kottayam from 16 February to 22 February 2023

Dr. Anjali B R:1 Week National Level Online Faculty Development Program on Outcome Based Education (OBE) -The IQAC of JPM Arts and Science College, Kanchiyar, Idukki in association with ipsr solutions limited, Kottayam from 16 February to 22 February 2023

Papers published

Sr. Asha Thomas: The co-adsorption of thymohydroquinone dimethyl ether (THQ) and coumarin present in the aqueous extract of Ayapana triplinervis on mild steel and its protection in hvdrochloric acid up to 323 K: computational physicochemical and studies RSC Advances2022 May

Approach ≻Green Corrosion to Inhibition of Mild Steel in Hydrochloric Acid usingExtractfromthe Pericarp of thefruit Tamarindus indica (Tamarind), Feb2023

> Dr.Deepthi Jose: Anion Exchange Reaction of CsPbBr3 Perovskite Nanocrystals: Affinity of Halide Ion Matters

:Physico-Chemical ≻Dr. Anu Jose Analysis of WellWater in Mavoor Region, Calicut district, Kerala PP.367-378 ,Recherche-A Digest ofMultidisciplinary Explorations

≻Dr. Lallu KR :Input-export fluxes of heavy metals in the Cochin estuary, southwest coast of India. Environ SciPollution

▶Reshma **C**: **Biomass-derived** inherently doped multifunctional hierarchically porous carbon as an efcient electrode material for high-performance supercapacitors

Student Achievements

Pass 97





Student Achievements

SWATHI U (III Chemistry)

- ►JAM Qualified
- ➤GATE Qualifed
- First Prize for Power quiz conducted by KSEB
- First prize-Science Quiz conducted by Spices board
- ≻2nd prize for science quiz conducted by CWRDM
- >2nd prize for science conducted by CCC&PWC in International Symposium on sustainable development
- ➢Bzone competitions-Sanskrit story writing -2nd prize
- ➢Aksharasokam-2nd
- ➤Kavyakeli-3rd
- SNEHA P (III Chemistry) Qualified JAM

FATHIMA HANNA PT(II Chemistry)-Summer project by Indian Academy of Science

ANJUSHA M (III Chemistry) - Selected as Indian Navy Agniveer Woman

MANYA R((III Chemistry) -)

SHIVANI M (III Chemistry) - National taekwondo Champion
APARNA P (III Chemistry) --First prize-Science Quiz conducted by Spices board

2nd prize for science quiz conducted by CWRDM
Internship with E cell of IIT Karakpur- Selected to the final stage

 SWATHI P & SNEHA SAJEEV((III Chemistry) - Internship with E cell of IIT Karakpur- Selected to the final stage
MEGHA V(II Chemistry)-I Independence Day nterdepartmental Quiz-2nd

SANDRA P M & GAYATHRI G K(III Chemistry)- Sports Day(Shot Put and Discus Throw)

ANJOOM(I Chemistry)-District Kalaripayattu Championship-Winner

>ASWANI (III CHEM) & ANANYA JAYAPRAKASH(II Chem)-Bzone- Margamkali-2nd

SONA M NAIR (III CHEM) & AKHINA (IIICHEM) -Students day competition -Bharathanattyam and Kuchyppudi-2nd

 Adithya, Sanikha, Shijina, Krishna Priya and Nandana-Students day competition- Vanchipattu-1st
SAFIYA(IChem)- Bzone- Mappilapattu-3rd



Swathi U



Anjusha M



Shivani M



Anjoom



Akhina

CHEMISTRY ASSOCIATION 2022-23

ASSOCIATION SECRETERIES



3RD Y<mark>R REPRESE</mark>NTATIVE</mark>S



Akhina K Krishnan (II DC Chemistry)



Aparna P



Amrutha Unni

2 ND YR REPRESENTATIVES





Janis Boby Anjali Krishna T C

ASSOCIATION ACTIVITIES HIGHLIGHTS

Internship Programme- Makeintern-IIT Karakpur

One week internshi programme s conducted by E cell of IIT Karakpur. The tpic was on comutational chemistry and tauht them on different types on sog wares which can be used different purposes

Exhibition-CHEMSPEC2K22 NOVEMBER 1st & 2nd

Workshop conducted for +2 students From 11 schools 1000 students visited the exhibition

Class on Mixture analysis and basics of computational analysis is given as a class given

The toics coveredVolumetric analysis- Acidimetr & alkalimetry, Permanganometry, Dichrometry, Complexometry, Argentometry etc, Chemistry in every day life.

Salt, its flame colouration and

analysis, identification of organic comound, different tyes of

Chromatography, Electrochemical

cells,Envornmental protection, and glass blowing.

A mobile Food analyser from RAL was brought explaining how to analyse food

.Dr. Sheeba Velathur- An alumani put up a stal exhibiting their products and explaining on probiotics and Natural Products

International Symposim on - Chemistr for sustainable Development. Februar 17th 2023

Dr.Samuel, the Director of CWRDM was the chief guest.He inagurated the seminar and gave a talk on water avaiability. Dr. Thanshwa gave aspeech on organic molecules in photovoltaic cells. Three

PROVIDENCE WOMEN'S COLLEGE DEPARTMENT OF CHEMISTRY



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CHEMFEST 2K22

PROVIDENCE WOMEN'S COLLEGE DEPARTMENT OF CHEMISTRY





A Space for evolving Chemistry

CHEMFEST 2K22

ON

NOVEMBER

1&2











Kozhikode, KL, India Providence College Raad, Kannadikkal, Koshikode, 673009, KL, India Lat 11, 296979, Long 25, 805561 11/01/2022 09:47 AM GMT+85:30 Nota : Captured by GPS Map Camera









INTERNATIONAL SYMPOSIUM; CHEMISTRY FOR SUSTAINABLE DEVELOPMENT



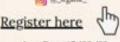
2.30 p.m.: Quiz Competition

"Sustainable Chemistry"

145 p.m.: Price Distribution & Concluding Session

About Department

The Department of Chemistry, established in 1956, is one of the previse departments of Providence Warren's College, from its inception, the Department has software to set legs standards of teaching and learning. The department excavages and affirms the participation of stadents in various co-carriplate, estratumicate and estimates activities to complement their leadents life. The department is a beneficiary of DI-STAR College software and home research projects funded by rational agencies.



Last Date: 15/02/23

About CCC

data: Chemistry Collective is a forum of eminitry Teachers and Researchers Both fored and working of colleges in Calibot / hereity of Calcot / NUT (OMROA: The main pathies of the collective is to organism table) minars / Signaposa / Simutanone etc. For deets and teachers of chronols and calibages of a view to motivate them and Samillarise ern with the latient advancements in writed Sciences and validate areas.



International Year of Basic Sciences for Sustainable Development 2022/2023

One Day International Symposium Chemistry for Sustainable Development



Sustainable Development Through Green Technology Dr. Manoj Samuel, Eucentive Director, Centre for Water Resources Development and Management Fowards Green Energy Goal: Recent Advances in Organic

Towards Green Energy Goal: Recent Advances in Organic Photocoltaics Dr. Tanwistha Ghosh, P.D.F., Institute for Basic Science (IBS).

Republic of Korea

INTERCOLLEGIATE COMPETITIONS

ProverPoint Presentation Competition Tchemistry for Social Well Being





Contrasticator Competitio 'Cool Chemistry'

N.Y. HALL PROVIDENCE WOMEN'S COLLEGE 17-02-2023; 9.30 A.M.

Department of Chemistry Providence Warnen's College Kozhikade w providencecollegecalicut.ac.in

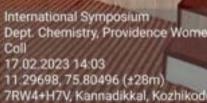


Calicut Chemistry Collective

International Symposium Dept. Chemistry, Providence Women's Coll 17.02.2023 09.46 11.29703, 75.80507 (±93m) 7RW4+H7V, Kannadikkal, Kozhikode













International Symposium Dept. Chemistry, Providence Women's Coll 17.02.2023 11:29 11.29699, 75.80497 (±23m) 7RW4+H7V, Kannadikkal, Kozhikode

STUDENT SUPPORT PROGRAMME

INVITED LECTURES

ACADEMIC

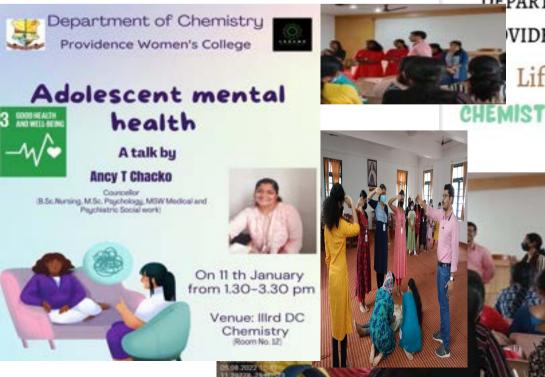
On 20th october 2022 Chemistry association was inaugurated and a talk was conducted on the topic "Graphene - The Material of the Era" by Dr . Renuka N. K, Professor of chemistry department.

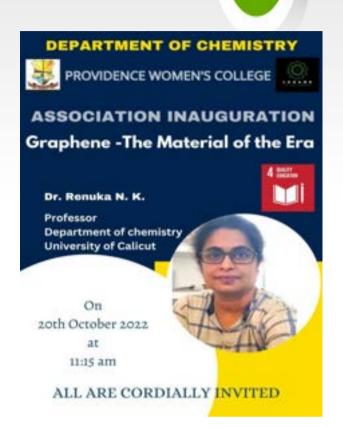
She discussed the synthesis methods, properties and applications of graphene

SKILL DEVELOPMENT

Life Skill Seminar: Life Skill Seminar on Chemistry of togetherness was conducted by Mr, Noufal C. 38 students participated in the programme and there was games, role play, talks and discussion

A talk on the topic 'Adolescent mental health' was conducted on 11th January. Ms. Ancy T Chacko, councellor was the speaker









DEPARTMENT OF CHEMISTRY VIDENCE WOMEN'S COLLEGE Life Skill Workshop

indi

Mr. Nowfal C sistant professor

k Training College

EVOLUTION OF QUANTUM MECHANICS

A talk on the topic evolution of quantum mechanics was conducted on 14 th February . Dr. Harikrishnan G, Professor of Physics was the resource person.







EXPLORING CAREER AVENUES IN CHEMISTRY

A talk on the topic exploring career avenues in chemistry by Dr. Aswani Kumar N was conducted on 24 th February.

DEPARTMENT OF CHEMISTRY Providence Women's College

Invited talk

Exploring Career Avenues in Chemistry

Dr. Ashwani Kumar N Assistant Professor Department Of Chemistry Sir Syed College,Taliparamba



DATE: 24/02/2023 TIME: 2:30 PM VENUE: ROOM NO. 110

All are cordially invited





BIWEEKLY POWER POINT



IIT JAM ORIENTATION

On14-07-2022 an IIT-JAM orientation programme was conducted .

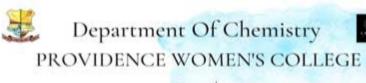




CLUB ACTIVITIES-ENVIRONMENTAL AWARENESS PROGRAMME



II YEAR TALENT SHOW



Presents

TALENT SHOW

Ob

II DC Chemistry 20 October 2022





VENUE: AUDITORIUM TIME: 3:30 PM









I YEAR TALENT SHOW



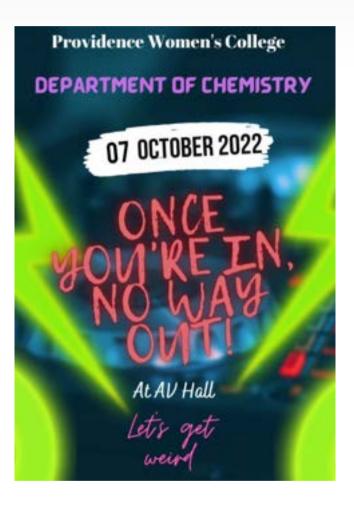






FRESHERS PARTY

Freshers day for first years was put together on 7/10/2022 comprising interactive games, dance and music.The freshers party was arranged by second year students of Chemistry.













SEND OFF PARTY-III Years

On March 6th send off party was given to the 3rd years. Remembering with gratitude the contributions of the 3rd years the juniors show cased a cultural programme along with games, sharing of memories etc.



FIED TRIP (I YEARS)

On 05-2-22 I years visited Regional Analytical Laboratory, Malaparamba.





FIELD TRIP (III YEARS)



On 15th December III years visited NIT.



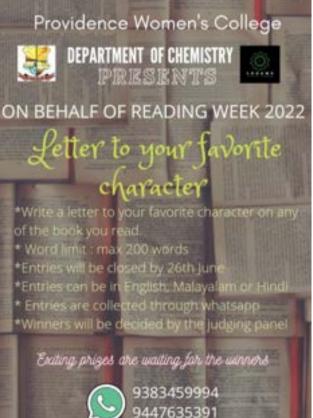
On 3rd February III years visited CeNS (Center for Nano and Soft Matter Sciences), Indian institute of science.

DAYS CELEBRATED

READING DAY

Letter to your Favorite Character

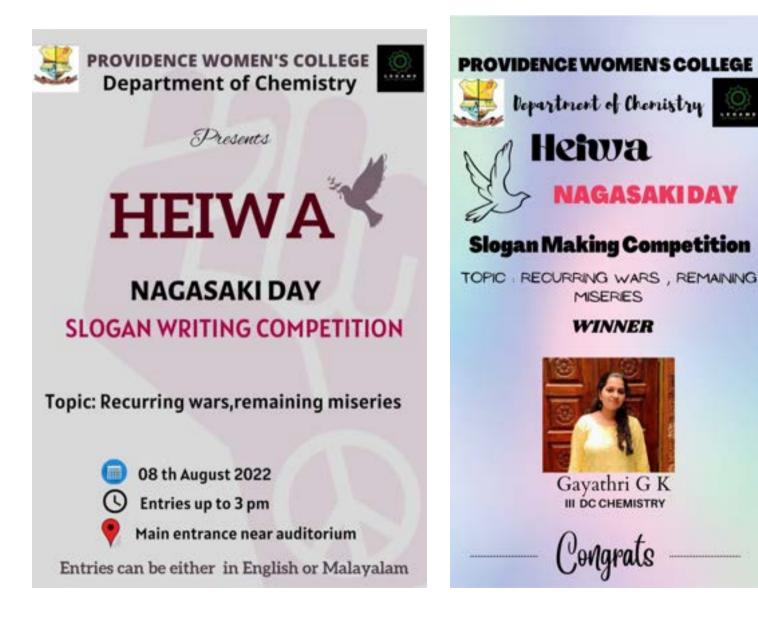




NAGASAKI DAY



In connection with Nagasaki day, a slogan writing competition was conducted based on the topic "RECURRING WARS, REMAINING MISERIES".



HIROSHIMA DAY

In connection with Hiroshima Day, a cartoon making competition was conducted on the topic "RECURING WARS, REMAINING MISERIES"





- Instagram page @_legame_ or to the whatsapp no - 9383459994
- Entries will be closed by 10th August 2022
- Exclusively for providonnas.

INDEPENDENCE DAY

A flash mob was conducted on 12 August, 2022 infront of auditorium as part of Azadi Ka Amrit Mahotsav.



PATRIOTIC SONG

As part of Independence day celebtrations, a patriotic song was performed by II DC Chemistry students on 12/08/2022.





ONAM CELEBRATION

Q

We celebrated Onam on 1/09/2022 along with an appetizing traditional sadhya and different cultural events.

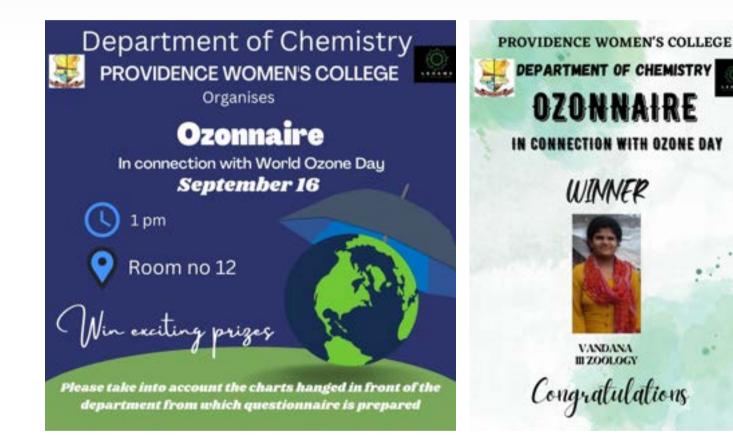






OZONE DAY

An interdepartmental quiz competition was held on 16 September 2022 at 1 PM .







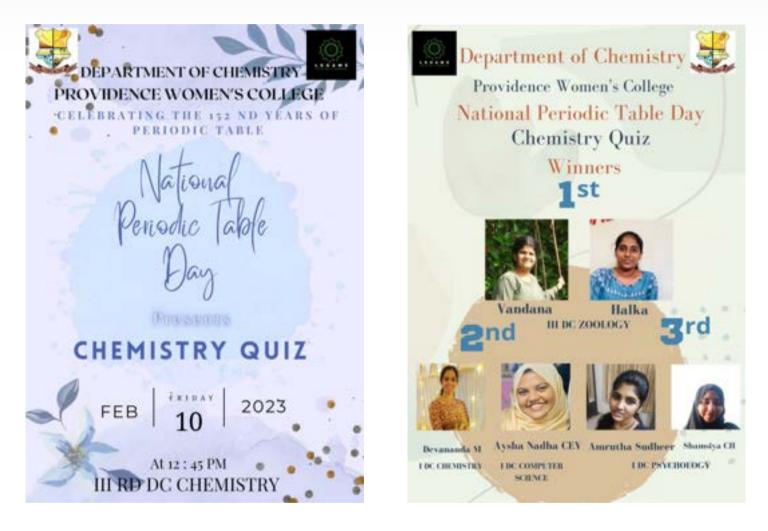
CHRISTMAS CELEBRATION

On 23-12-22 celebrated christmas at Karuna Bhavan, oldage home.





As part of national periodic table day a quiz was contected on 10th February.





WOMEN'S DAYA

Women's day was celebrated on March 8th

Began cutting the cake and sharing the joy of being created as awomwn. The second years were divied in to five groups and they presented papers on contribution of Indian women in different fields. The topics were-

- Indian women Scientists
- Women in Indian Cinema
- Insiring Women Entrepaneurs from India
- Contribution of Indian women in Sports
- Politics and Women of India





Dr. Kamala Sohonie





Sheila Kochouseph Chitilapilly







ASSOCIATION VALIDICTORY

Magazine Release- The manuscript magazine of Dept. of Chemistry-CHEMLITE was released on 28th Februaryby Ms. Bindu Amat. Associate Professor of Englsh Dept.Ms. Chandana and Ms. Pranays along witha group of 1st editor vears worked as and assistants.



- Send off to Ms. Bindu Amat
- A send off programme was arranged in honour Ms. Bindu. She retired after along time of 28 years in the collee. A vibrant teacher who truly was loyal to the college
- Achiever's Day: The same day was celerated s Achiever's day. We honoured the students who stood infront of academic, arts, sports and other areas





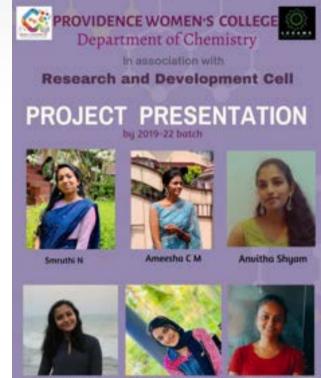


R&D PROJECT PRESENTAT

In association with research and development cell, a project presentation was conducted on July 21, 2022 at 3PM by the 2019-22 batch.

Presented by:

Smruthi N Ameesha C M Anvitha Shyam Aiswarya A O Neamah Fathima M R Sona K S



Neamoh Fathima M R

July 21, 2022 | 3Pm | Seminar hall

Sona K S





ALUMNAE CONTRIBUTIONS



BOND BOOSTERS_ Online interactive session ALUMNAE MEET- On Janary 26th Live interaction with the students Stalls in Exhibitions

BOND BOOSTERS: An online interactive sessions the alumnae who have contributed much to the society and the present student. The students make use of this opportunity to clear their doubts and selct for the future.



INTERACTION WITH ALUMNAE

Aiswarya A R, our proud alumnae of 2017-20 batch, who works as Technical Assistant at BIS interacted with III Year students on 8th February.



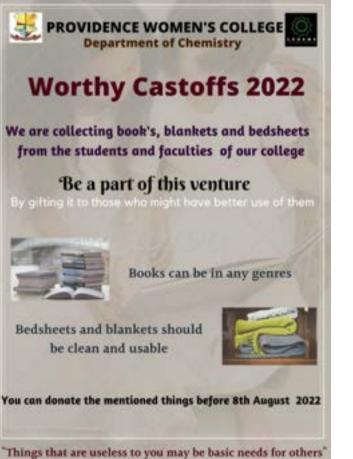




EXTENSION ACTIVITIES

WORTHY CASTOFFS MISS A MEAL VISIT TO OLD AGE HOMES MV FUND

Collected books, blankets and bedsheets from the students and faculties of our college.







MV FUND-A HAND TO NEARBY HIGH SCHOOL

Donated forty instrument boxes and college notebooks to Parambil Bazar High school on 24/06/2022.











THANK YOU



