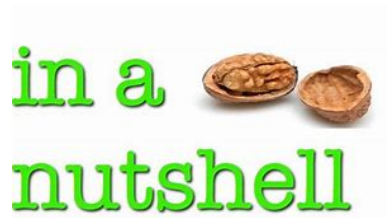


## A close-up photograph of a right hand holding a thick, solid blue horizontal line. The hand is positioned on the right side of the frame, with the thumb and index finger gripping the end of the line. The line extends from the right edge towards the left, passing behind the hand. The background is plain white.

# Department of Chemistry 2023-24

The Department of Chemistry organized various programmes in the academic year 2023-24.



## National seminars - 3

1. National seminar on materials for a sustainable future -2023
2. National seminar on Advances in chemical and applied science ACAS-2024
3. National seminar on Instrumental Techniques in Water Chemistry

## International seminars/webinars-3

1. International seminar on Chemical Science for Sustainable Future
2. International webinar on "Next Generation COVID-19 Therapy by Inorganic Nano-Hybridization Technology
3. International webinar -Scientific Approach to life.

## Workshop-1

<b>Water analysis workshop in collaboration with The Cochin College, Kochi.</b>	
<b>Add on Courses-3</b>	
<b>Certificate course in waste to wealth</b> <b>Certificate course in scientific waste management</b> <b>Value Added on course on environment sustainability and waste management</b>	
<b>Extension activities -11</b>	
<b>Nari shakthi fitness run, road safety awareness week, voters awareness programme, science exhibition and student teacher programme at HMT School, mangroove afforestation at Valappu beach, Vypin, Stay away from microplastics- beach cleaning, old age home visits at Providence home and St. Therasas Mercy Home, Ernakulam.</b>	
<b>MoU signed -2, Active MoUs-3</b>	
<b>Northamps global Pvt. Ltd</b>	<b>The Cochin College- Kochi</b>
<b>Letter of Appreciations for extension activities -5</b>	
<b>HMT school, Kalamassery for student teacher Programme</b> <b>Vypin Panchayath for Mangroove afforestation</b> <b>Nehru Yuve Kendra- Road safety awareness programmes-2 no</b> <b>Nehru Yuva Kendra- Nari shakthi Fitness run</b>	
<b>Important days celebration-4 in association with various clubs</b>	
<b>Environment day</b> <b>Ozone day</b> <b>Energy conservation day</b> <b>Moles day</b> <b>Womens day</b>	
<b>Gender Sensitisation Programme-1</b>	

### **Student enrichment Programmes**

**Industrial visit to CIPET, Eloor, Milma Thripunithura, Malcom chocolate Factory, Seminar Participation and competitions.**

**Chemistry Association - CHEMSIGHT 2024**

**World of Psyche- Mental health awareness Programme for the students**

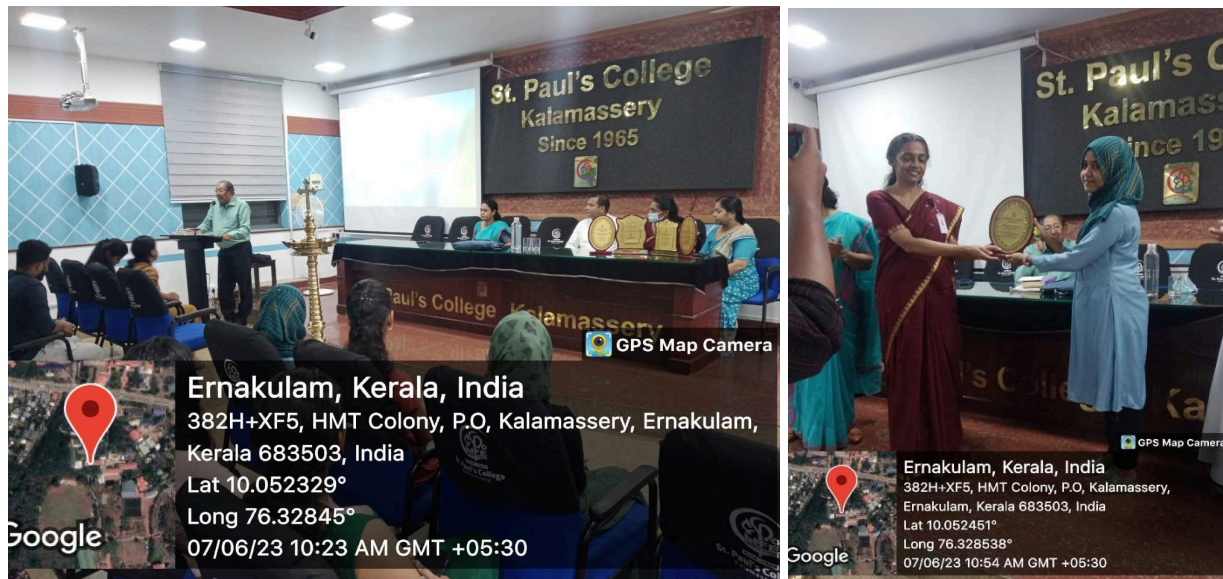


## **Reports of various activities**

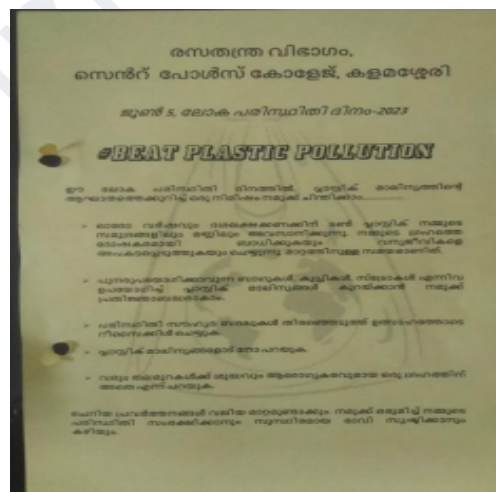
### **1. World Environment Day 2023 Celebrations and Chemistry Association Inauguration. CHEMSIGHT 2023**

The Department of Chemistry started the 2023-24 academic year with the inauguration of chemistry association CHEMSIGHT 2023-24. On the same day World Environment day was also celebrated by the department of Chemistry in association with ENCON club. A Seminar on Sustainable Environment by Mr. M. I Varghese (Retd. IFS Officer) was organized on behalf of this on 07-06-2023. Seminar was very informative and students interacted with our chief guest and clarified their doubts. During this event awards were distributed to the university rank holders of B. Sc Chemistry 2020-23.





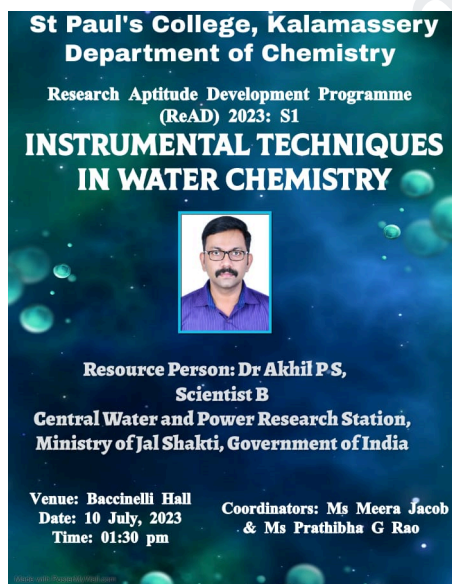
Prior to above programme, the department organized a public awareness programme on the theme #Beat Plastic Pollution on June 5th 2023 at HMT Junction. As a part of this activity students distributed pamphlet's which mention the hazards of the plastic pollution to the surroundings of HMT junction and gave awareness to the public to reduce the use of plastic. Students also made a rally from College to HMT junction with placards and posters on Plastic Pollution.





## 2.National seminar on "Instrumental Techniques in Water Chemistry

Department of Chemistry organised a national seminar on "Instrumental Techniques in Water Chemistry" as part of ReAD 2023 Series 1. The resource person for the session was Dr. Akhil P S Scientist 'B', Central Water and Power Research Station, Ministry of Jal Shakti, Pune -24. UG and PG students attended the programme.



### **3. Bridge course for PG students**

The bridge course for M.Sc. Chemistry students, organized by the Department of Chemistry at St. Paul's College, Kalamassery from **19/07/2023 to 26/07/2023**, was a comprehensive preparatory program designed to ensure a smooth transition for incoming students from their undergraduate studies to the demanding curriculum of the master's level. The course spanned over one week, covering a wide range of topics essential for academic success and research in the field of chemistry.

### **4. Science exhibition at St. Pauls International School, Kalamassery in association with IEDC**

In coordination with the IEDC, St. Paul's College Kalamassery on 29/9/2023 participated an exhibition covering various science subjects held at St. Pauls International School, Kalamassery. The primary aim of this exhibition was to boost the confidence of students and provide a platform for them to showcase their skills and talents. Additionally, postgraduate students from various departments of St. Paul's College actively participated in the event. Representing the Chemistry Department, first-year MSc students, Anand, Abhimanue, Sreelakshmi, and Uchita, contributed significantly. They presented five awesome experiments: simulating a firefly-like glow, experimenting with unique salts, creating a dancing flame, and demonstrating color shifts reminiscent of a chameleon.





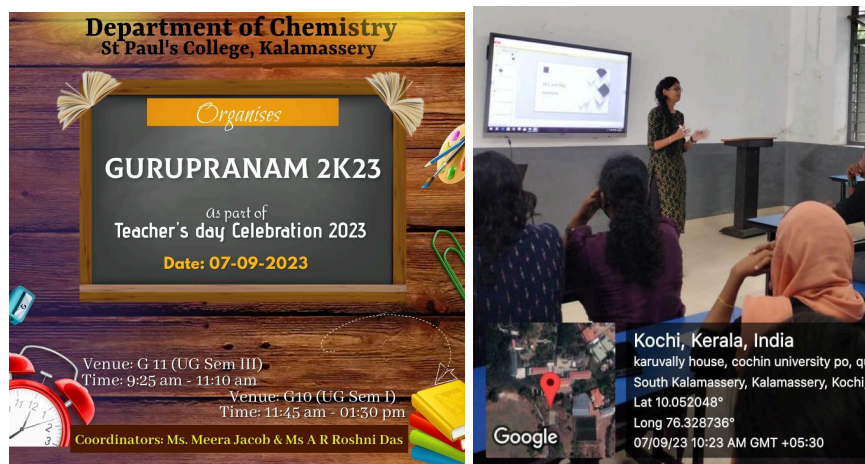
## 5.Ozone Day Celebrations 2023

As a part of World Ozone Day Celebrations 2023, on 20/9/2023 Department of Chemistry in association with ENCON club conducted poster competition. Students from Various Departments enthusiastically participated and after the competition exhibition of the posters was also conducted. Rose Neha Jolly of 1<sup>st</sup> year Economics won the competition.



## 6.GURUPRANAM 2K23

Department of Chemistry organised GURUPRANAM 2K23 PG as part of Teacher's Day Celebration 2023, where selected students from PG Sem 1 (07 students) became teachers and handled UG sem 1 and sem 3 classes on various topics.



## 7.National Seminar on "Materials for a Sustainable Future 2023".

The National Seminar on "Materials for a Sustainable Future 2023" was successfully organized by the Department of Chemistry in collaboration with the College Development Council on October 12th and 13th, 2023. The event aimed to bring together experts, researchers, academicians, and industry professionals to delve into the latest advancements, research, and innovations in the realm of material science and sustainability. The seminar was inaugurated with great enthusiasm, and the keynote address was delivered by Mr. K A. Rajesh, the joint director, and head of CIPET, Ernakulam. Eminent personalities from various research institutes, ISRO, and Amrita University graced the event with their presence and expertise. The sessions were meticulously designed to cover a wide range of topics, including the latest research findings, technological advancements, and sustainable practices in materials science. The diverse backgrounds of the speakers contributed to a comprehensive exploration of the subject matter. As part

of the seminar, both offline and online oral and e-poster presentations were conducted. This hybrid approach allowed for a flexible and inclusive participation model. The National Seminar on "Materials for a Sustainable Future 2023" was a resounding success and witnessed active participation of almost 190 participants and 55 paper/eposter presentations. The success of this seminar not only reflects the commitment of the organizing bodies but also the collective dedication of participants, speakers, and sponsors toward advancing the frontiers of knowledge for a more sustainable future

**ADVISORY COMMITTEE**

Prof. Alexandru Vlad  
Institute of Condensed Matter and Nano-  
sciences, Université Catholique de Louvain,  
Belgium

Prof. Vijaykumar Thakur  
Bioinspiring and Advanced Materials Research  
Centre, Scotland's Rural College UK

Dr. Daniel M. Mulvihill  
School of Engineering, University of Glasgow,  
Glasgow

Prof. Juy-Hyounahn  
Gyeongang National University, Republic of  
Korea

Prof. Libu Manjakkal  
School of Computing and Engineering & Built  
Environment, Edinburg Napier University, UK

Dr. Muraleedharan K.R.  
NIG, Kochi

Dr. Sanku K. Narayankutty  
PUSAT, CUSAT

Dr. Mangalam S. Nair  
CSIR-NIST, Thiruvananthapuram

**PROGRAMME COMMITTEE**

Fr. Varghese Vallyparambil, Manager  
Fr. Felix Chulickal, Director  
Fr. Raphael Kalluvetti, Asst. Manager  
Dr. Senthil K.E. Principal in Charge  
Dr. Thresa Sunita George, HOD (Convener)  
Ms. Maria Augustine, Asst. Professor (Co-ordinator)  
Dr. Sajin Francis K. Asst. Professor (Co-ordinator)  
Mr. Teesh Joseph, Asst. Professor  
Ms. Meera Jacobs, Asst. Professor  
Dr. Minu Inu, Asst. Professor  
Ms. Hency George, Asst. Professor  
Ms. Ashna R. Asst. Professor  
Ms. A.R. Bismuth Das, Asst. Professor  
Mr. Fabin Jose  
Mr. Don Dominic

**Registration:**  
Faculty: Rs. 500/-  
Persons From Industry: Rs. 1000/-  
Research Scholars: Rs. 300/-  
Students: Rs. 100/-

**CALL FOR PAPERS**

- Brain Synthesis of Materials
- Renewable And Bi-based Materials
- Nanotechnology For Sustainability
- Biodegradable Polymers
- Chemicals For Sustainability
- Energy Storage And Conversion Materials
- Sustainable Packaging Materials
- Water Remediation
- Smart And Functional Materials
- Natural Product Chemistry
- Applied Chemistry
- Medicinal Chemistry

**Oral and e-Poster Presentations**  
Abstracts of presentations available  
(Online only for participants outside  
Ernakulam & Thiruvananthapuram)  
**Important dates:**  
Submission of abstract: October 8 th  
Confirmation of acceptance: October 9 th  
Submission of full paper: October 10 th  
Accepted papers will be published in  
proceedings with a ISBN no. UGC approved  
Email: [smr2023@stps.ac.in](mailto:smr2023@stps.ac.in)  
Contact Details  
Ms. Maria Augustine: 9405674405  
Dr. Sajin Francis K.: 8075014396

**St. Paul's College, Kalamassery**  
Archdiocese of Verapoly  
Affiliated to the Mahatma Gandhi University, Kottayam  
In association with: **WAC-A Grade**



**NATIONAL SEMINAR ON  
MATERIALS FOR A SUSTAINABLE FUTURE  
2023**  
12<sup>th</sup> & 13<sup>th</sup> OCTOBER 2023

organised by  
**DEPARTMENT OF CHEMISTRY**  
St. Paul's College, Kalamassery

In association with  
College Development Council  
Mahatma Gandhi University, Kottayam

For more details scan QR code



**About the College**

St. Paul's College, affiliated to Mahatma Gandhi University and regulated by UGC is a prestigious arts and science college which functions under the Archdiocese of Verapoly. The college envisions to create a new enlightened generation which is socially committed, academically proficient, digitally updated and spiritually refined, so as to enable them to face the challenging needs of the changing times. The College started functioning from 13th July 1945. At present the college offers courses in Economics, Physics, Mathematics, Chemistry, Commerce, English and Vocational studies.

The Department of Chemistry, which came into existence in 1945, became a fully fledged department with the beginning of a degree course in Chemistry in the year 1999. Post graduate course in Pure Chemistry started in 2023.

**About the Seminar**

The aim of this seminar is to bring together experts, researchers, academicians, and industry professionals to delve into the latest advancements, research, and innovations in the realm of materials science and sustainability.

**PROGRAMME SCHEDULE**

**DAY 1 THURSDAY, 12<sup>th</sup> OCTOBER 2023**

9:00 am : Registration  
9:30 am : Inaugural Function

10:00 am - 11:00 am  
Keynote Address  
Topic: Biopolymers



**Mr. K. A. RAJESH**  
Joint Director & Head,  
Central Institute of Plastic  
Engineering and Technology,  
Ernakulam

11:00 - 11:15 am : Tea Break

11:15 am - 12:30 pm  
Topic: Organic Electrochromic  
Materials For Smart Window  
Applications



**Dr. JOSHY JOSEPH**  
Principal Scientist,  
CSIR-NIST,  
Thiruvananthapuram

12:30 pm - 1:30 pm : Lunch break

1:30 pm - 3:00 pm  
Topic: Polymer Electrolytes  
For A Sustainable Future



**Dr. PRASANTH R KRISHNA**  
Head and Professor,  
Department of Polymer Science  
and Rubber Technology, CUSAT,  
Visiting Professor,  
Edinburg University, UK.

Poster and Oral Presentations

**DAY 2 FRIDAY, 13<sup>th</sup> OCTOBER 2023**

09:30 am-11:00 am  
Topic: Sustainable Polymers:  
Integrating Environmental  
And Economic Aspects



**Dr. MEERA BALACHANDRAN**  
Professor-Chemical Engineering,  
School of Engineering, Anna  
University, Coimbatore, Professor,  
Centre for excellence in Advanced  
Materials and Green Technologies,  
Anna University, Chennai.

11:00 am - 11:15 am : Tea Break

11:15 am-12:30 pm  
Organic Thermoelectric  
Materials: Converting Waste  
Heat to Electricity for a  
Sustainable Future



**Dr. VIJAYAKUMAR CHAKKIOOTH**  
Principal Scientist,  
CSIR-NIST,  
Thiruvananthapuram

12:30 pm - 1:30 pm : Lunch Break

1:30 pm - 3:00 pm  
Topic: Material Development  
For Reentry Thermal Protection



**Dr. SATHEESH CHANDRAN M**  
Scientist, Polymers and  
Special Chemicals Division,  
VSSC, ISRO,  
Thiruvananthapuram

Poster and Oral Presentations  
Valedictory Function





## 8.GANDHI JAYANTI CELEBRATION 2023,SWACHH BHARAT ABHIYAN

As part of Gandhi Jayanti celebration 2023- Swachh Bharat Abhiyan, first year UG and PG students took the initiative to clean their respective laboratories. The cleaning team took into account any special requirements, such as the use of eco-friendly cleaning products or specific cleaning protocols for sensitive equipment. The cleaning efforts were carried out systematically and efficiently, contributing to the overall well-being and safety of both students and staff. Regular inspections were conducted to monitor the quality of cleaning. Feedback from teachers and staff was collected to address any specific concerns or areas that required additional attention. Continuous monitoring and feedback mechanisms will be maintained to ensure the sustained cleanliness of the learning environment.

## 9.International Webinar on "Next Generation COVID-19 Therapy by Inorganic Nano-Hybridization Technology"15<sup>th</sup> November 2023

International Webinar on "Next Generation COVID-19 Therapy by Inorganic Nano-Hybridization Technology"was successfully organized by the Department of Chemistry on November 15<sup>th</sup>, 2023. The aim of the International Webinar was to provide a platform for researchers, scientists, academicians, and students from around the world to explore and discuss innovative approaches in combating COVID-19 through the application of inorganic nano-hybridization technology. The resource person for the talk was Dr. N Sanoj Rejinold, Invited Professor at Dankook University, South Korea.

## 10. Industrial Visit – Central Institute Of Petrochemical Engineering And Technology (CIPET: IPT-KOCHI) on 20-11-2023

First year UG students accompanied by Dr. Tresa Sunitha George, HOD and Ms. Maria Augustine, Faculty visited CIPET ELOOR, reputed research and academic institution in Kerala. The students could understand the working of various instruments used in the various research laboratories. They have been given demonstration of the working of various instruments such as Extrusion moulding, injection moulding and compression moulding.

## 11. Industrial Visit – Processing Unit of Milma, Tripunithura on 13-12-2023

Second year UG students with the two faculty members visited Milma, Tripunithura, the biggest one in the State in terms of storage and processing capacity. The students could understand the working of various units in the plant like pasteurisation unit, standardisation unit, packing unit etc.

## 12. Gender Sensitization Programme 2023

Department of Chemistry organised a seminar on "Gender sensitisation programme" as part of gender sensitization. The resource person for the session was Dr. Nandita Narayan, Assistant Professor in Law, NUALS (National University of Advanced Legal Studies), Kochi. The graduate and post-graduate students attended the programme.

DEPARTMENT OF CHEMISTRY  
St. PAUL'S COLLEGE, KALAMASSERY  
organizes

# GENDER SENSITIZATION PROGRAMME 2023



**Dr. Nandita Narayan**  
Asst. Prof. in Law  
NUALS, Kochi

Date: 15.12.2023  
Time: 12:30 pm  
Venue: Baccinelli Hall

Coordinators: Mr Texin Joseph & Dr. Minju Joy



St. Paul's College  
Kalamassery  
Since 1965

GPS Map Camera

Ernakulam, Kerala, India  
382H+XF5, HMT Colony, P.O, Kalamassery, Ernakulam, Kochi, Kerala 683503,  
India  
Lat 10.05236°  
Long 76.32866°  
15/12/23 12:58 PM GMT +05:30

Google

## 13. National Energy Conservation Day 2023, Oath Taking on 14-12-2023





#### 14. Innovative Trends in Product Development and Entrepreneurship- Focussing on Sustainable Hygiene Practices on 19-12-2023



##### PRESENTS

"Innovative trends in product development and Entrepreneurship, Focusing on Sustainable Hygiene Practices".



Aneeta Correya  
 (Managing Director)

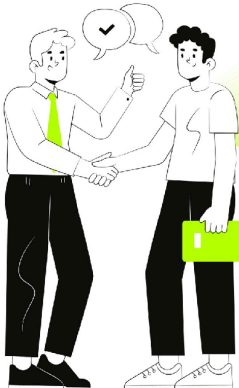
*Green your thoughts and act organic!*

**ST. PAULS COLLEGE, Kalamassery**  
 in association with **Department of Chemistry, IEDC, IIC.**



Co-ordinators:  
 Dr. Tresa Sunitha George  
 Dr. Minju Joy

**Date: 19.12.2023**  
**Time**  
 12.30 to 1.30 PM



**For a better tomorrow  
 in alignment with UN Sustainable  
 Development Goals.**

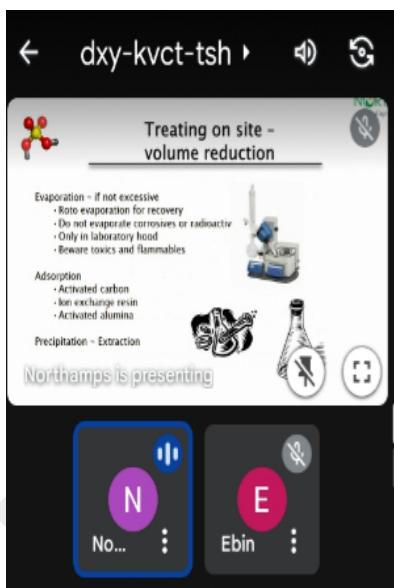


Department of Chemistry organised a seminar on "Green your thoughts and act organic" as part of IEDC and IIC of St. Pauls College Kalamassery. The resource person for the session was Aneeta Correya, Managing Director, Piccazzoh, Kochi. The graduate and post-graduate students were attended the programme. It was an awareness programme dealing with

innovative trends in product development and entrepreneurship and sustainable hygiene. There was an exhibition also conducted which includes biodegradable and eco-friendly sanitary napkins, mud-cups, cloth-bags etc.

### 15. Certificate course in Waste to wealth 2023-24. 16/12/2023-16/01/2024

The certificate course on waste to wealth, organised by Northamps Global Ecolutions PVT LTD in collaboration with the department of Chemistry, St. Paul's College started on 16/12/2023 and completed on 16/01/2024. The content and curriculum of the course were comprehensive and informative. It covered various aspects of waste management, including scientific principles, best practices, and relevant legislation. The course material was well-structured, making it easy to follow and understand to the students. The inclusion of case studies and real-world examples greatly enhanced the learning experience. The resource persons, Dr. Dhanya K R, Dr. Ajitha A R, Ms. Suvana Varghese and Ms. Navya Shaju demonstrated an in-depth understanding of the subject matter. Their expertise and ability to convey complex concepts clearly and engagingly truly helped the students. The students were very interactive and studious; their active participation gave us positive energy for the successful completion of the certificate course. Daily assessment and attendance were also maintained for the students. Based on the assessment Augustus Joseph Shaijan, a student of first-year BSc Chemistry recognized as the Top Scorer and Rose John was selected as the best performer based on the overall performance. Certificates will be granted to all the students who completed the course.



### 16. Certificate course in Scientific waste management 2023-24 20/11/23-18/12/23

The certificate course on scientific waste management, organised by Northamps Global Ecolsolutions PVT LTD in collaboration with the department of Chemistry, St.Paul's College started on 20/11/2023 and completed on 18/12/2023. The content and curriculum of the course were comprehensive and informative. It covered various aspects of waste management, including scientific principles, best practices, and relevant legislation. The course material was well-structured, making it easy to follow and understand to the students. The inclusion of case studies and real-world examples greatly enhanced the learning experience. The resource persons, Dr. Dhanya K R, Dr. Ajitha A R, Ms. Suvarna Varghese and Ms. Navya Shaju demonstrated an in-depth understanding of the subject matter. Their expertise and ability to convey complex concepts clearly and engagingly truly helped the students. The students were very interactive and studious; their active participation gave us positive energy for the successful completion of the certificate course. Daily assessment and attendance were also maintained for the students. Based on the assessment Augustus Joseph Shaijan, a student of first-year BSc Chemistry recognized as the Top Scorer and Rose John was selected as the best performer based on the overall performance. Certificates will be granted to all the students who completed the course.

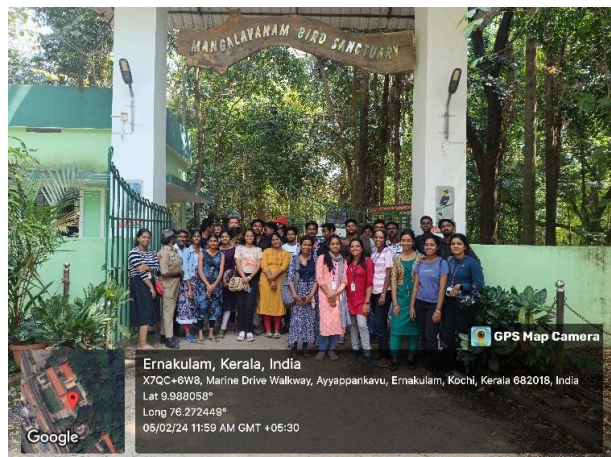


#### 17.A GREEN INITIATIVE TO REJUVENATE MOTHER NATURE on 05-02-2024

The students of II M.Sc. Chemistry (2022- 2024) and II B.Sc Chemistry (2022-2025) visited Mangalavanam Bird Sanctuary, Ernakulam on 05 February, 2024. They cleaned the surroundings



by picking up plastics and made the area plastic free. The staffs of the sanctuary were impressed in their whole- hearted work and appreciated them for the same.



### **18.Mangrove Afforestation An extension Activity 08-02-2024**

The Department of Chemistry conducted an Extension activity of Mangrove Afforestation near vypin beach which was a very relevant social issue as a part of world wetland day. The programme was initiated by planting a mangrove by Edappally Block Panchayath President, Saritha Sanil. The students enthusiastically planted the mangroves near the wet land of vypin beach. Around 300 saplings were planted by the students.

**Kochi:** Students of St Paul's College, Kalamassery, planted 300 mangrove saplings along the coastline near Valappu beach at Vypeen on Thursday morning.

Students from chemistry department of the college undertook the initiative in association with Youth Red Cross unit, after they learnt of the impending environmental catastrophe at Vypeen region by the year 2050. It is said that sea may inundate many places, including Vypeen.

"We came to know through various studies about the fragile nature of Vypeen islands and we wanted to play a small part for the protection of the region," Rajeev Patric, a student volunteer.

"We have been teaching environmental chemistry to them and nature protection is a part of the course. When students came up with the idea we decided to go ahead," said chemistry department head Tresa Sunitha George. TNN



കളശശേരി സെന്റ് ഡോമിസ് കോളജിലെ കെമിസ്ട്രി ഡിപ്പാർട്ട്മെന്റുയ്ക്ക് റെഡ്ക്രോസ് എന്നിവയുടെ നേതൃത്വത്തിൽ വെച്ച് ബീച്ചിൽ കണ്ടൽതെക്കുകൾ നട്ടതിന്റെ ഉദ്ഘാടനം ഇപ്പോഴുള്ള ബ്ലോക്ക് പഞ്ചായത്ത് പ്രസിഡൻ്റ് സരീത സരീത് നിർവ്വഹിക്കുന്നു. രാജീവ് പാലിക്,കെ.എ.സിനോൺ കുമാർ,ഹെൻസി ജോർജ്ജ്,ഡോ.കെ.സജിത് പ്രമുദസിസ് എന്നിവർ സജീപം.

എളുക്കുന്നപ്പോഴും കളമശേരി ജോർജ്ജ് എന്നിവരുടെ നേതൃത്വത്തിൽ 70 വിദ്യാർത്ഥികൾ പങ്കെ

**പട്ടിപ്പുറം ക്ഷീരോത്പാദക സഹകരണ സംഘം**  
**ക്ലിപ്തം നമ്പർ ഇ 36 (ഡി), ചെന്നായി - 683514.**  
**ഫോൺ നമ്പർ: 2488070 9447718896**

ഇപ്പോളി ബ്ലോക്ക് പഞ്ചായത്ത് പ്രസിഡന്റ് സരിത് സനിൽ ഉദ്യോഗം ചെയ്തു.

കെരീനി പ്രിയോപിക ഡോ. മിയെ ജോയ് അധ്യക്ഷത വഹിച്ചു. എങ്കുമുന്നപ്പഴ പഞ്ചായത്ത് വൈസ് പ്രസിഡന്റ് കെ.എം.സി നോജ് ക്യാബിയുത്ത് ഹെൽ ക്രോസ് പ്രസിഡന്റ് രാജീവ് പാട്രിക്, അധ്യക്ഷരായ ഡോ.കെ.സജിൻ ഫ്രാൻസിസ്, ഹെൻരി

ത്തു. ബീച്ചിലെ പ്ലാസ്റ്റിക് മാലി  
ന്യങ്ങളും നീക്കം ചെയ്തു.

പള്ളിപ്പുറം ക്ഷീരോത്പാദക സഹകരണ സംഘം  
ക്ലിപ്തം നമ്പർ ഇ 36 (ഡി), ഖൊയി-683514.  
ഫോൺ നമ്പർ: 2488070, 9447748806

[illegible]

The Old Age Home Visit Program, organized by Department of Chemistry students was held at Providence Home, Ernakulam on March 16, 2024 at 10:00 am. The programme aimed to provide companionship and emotional support to elderly residents. Our students along with faculty members, engaged in visiting local care facilities. Activities included interactive sessions, storytelling, games, and musical and dance performances. It served as a testament to enhance social interaction and companionship, mental and emotional well- being. It also gave volunteer opportunities for students and promoted intergenerational connections.

### Conclusion:

The Old Age Home Visit Program by college students and teachers has successfully enriched the lives of elderly residents and provided valuable learning experiences for students. Continued efforts to expand and improve the program will further benefit both the elderly population and the college community



### **21.EXTENSION PROGRAMME- SANTHWANAM 2023-24 -@ St. Teresa's Mercy Home, Ernakulam**

The Old Age Home Visit Program, organized by Department of Chemistry students was held at Providence Home, Ernakulam on 7 March 2024 at 10:00 am. The programme aimed to provide companionship and emotional support to elderly residents. Our students along with faculty members, engaged in visiting local care facilities. Activities included interactive sessions, storytelling, games, and musical and dance performances. It served as a testament to enhance social interaction and companionship, mental and emotional well- being. It also gave volunteer opportunities for students and promoted intergenerational connections.

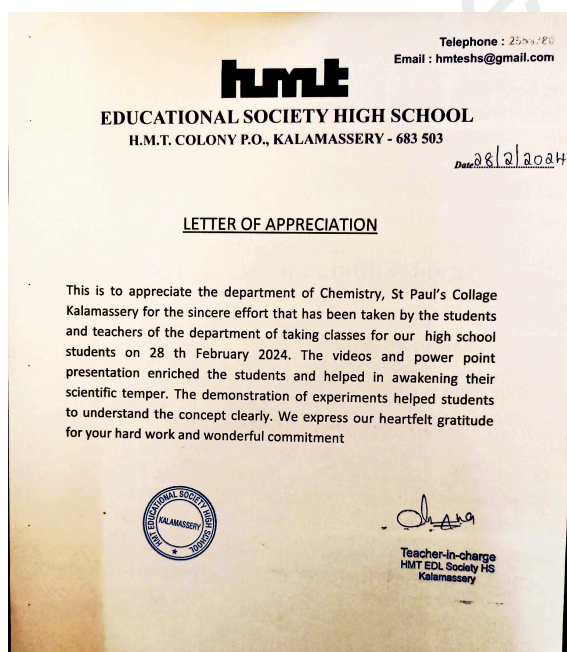




## STUDENT TEACHER PROGRAMME


### 22. An Academic Extension and Outreach Programme (Best Practice of the Department)

The outreach Programme entitled "Student Teacher Programme-An academic extension and Outreach Programme (Best Practice of the Department)" was organized by the Department of Chemistry. The faculty along with the first year MSc Chemistry students of the batch 2023-2025 visited and conducted classes at HMT School, Kalamassery on 28 February, 2024.



## 23.National Seminar on "Advances in Chemical and Applied Science, ACAS-2024"

The National Seminar on "Advances in Chemical and Applied Science, ACAS-2024" was successfully organized by the Department of Chemistry in collaboration with the College Development Council on February 16th, 2024. The event aimed to bring together experts, researchers, academicians, and industry professionals to delve into the latest advancements, research, and innovations in the realm of applied science. The seminar was inaugurated with great enthusiasm, and the keynote address was delivered by Rev. Fr. Varghese Valiyaparambil, Manager, St. Paul's college, Kalamassery. Eminent personalities Dr. Meera Balachandran of Amrita University and Dr. Jorphin Joseph of CUSAT graced the event with their presence and expertise. The sessions were meticulously designed to cover a wide range of topics, including the latest research findings and technological advancements in applied science. The National Seminar on "Advances in Chemical and Applied Science, ACAS-2024" was a resounding success and witnessed active participation of almost 110 participants. The success of this seminar not only reflects the commitment of the organizing bodies but also the collective dedication of participants, speakers, and sponsors toward advancing the frontiers of knowledge for a more sustainable future.



**St Paul's College , Kalamassery**  
Affiliated to Mahatma Gandhi University , Kottayam

**DEPARTMENT OF CHEMISTRY**

National Seminar on

**ADVANCES IN CHEMICAL  
AND APPLIED SCIENCE**

ACAS - 2024

**DATE** - 16th February 2024

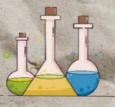
**VENUE** - Acoustic Theatre

**IN ASSOCIATION WITH**

Department of Chemistry,  
St Teresa's College ,  
Ernakulam

Department Of Chemistry,  
The Cochin College ,  
Ernakulam

DCDC, MG University , Kottayam



**SPEAKERS**



**Dr. MEERA BALACHANDRAN**  
Professor  
Chemical Engineering  
School Of Engineering  
Amrita University, Coimbatore  
**Topic - High Performance Polymers For Aerospace Applications**



**Dr. JORPHIN JOSEPH**  
Assistant Professor  
Department of Chemical Oceanography,  
School of Marine Science  
Cochin University of Science and  
Technology, Kochi  
**Topic - Understanding Electrochemical Energy Systems**

**PROGRAMME COMMITTEE**

- ° Fr. Varghese Valiyaparambil , Manager
- ° Fr. Felix Chullickal, Director
- ° Fr. Raphael Kalluveetil, Asst. Manager
- ° Dr. Savitha K S, Principal
- ° Dr. Tresa Sunitha George, HoD (Convenor)
- ° Ms. Maria Augustine, Asst. Professor
- ° Dr. Sajin Francis K, Asst. Professor
- ° Mr. Texin Joseph, Asst. Professor
- ° Ms. Meera Jacob, Asst. Professor
- ° Dr. Minju Joy, Asst. Professor (Co-ordinator)
- ° Ms. Hency George, Asst. Professor
- ° Ms. Ashna R, Asst. Professor (Co-ordinator)
- ° Ms. A R Roshni Das, Asst. Professor
- ° Mr. Fabin Jose, Lab Assistant
- ° Mr. Don Dominic, Lab Assistant

**Registration Fee**

Teachers - Rs 100/-  
Students - Rs 50/-

**Contact Details**

**Dr. Minju Joy,**  
Asst. Professor  
Ph - 8593081600

**Ms. Ashna R ,**  
Asst. Professor  
Ph - 8078503021





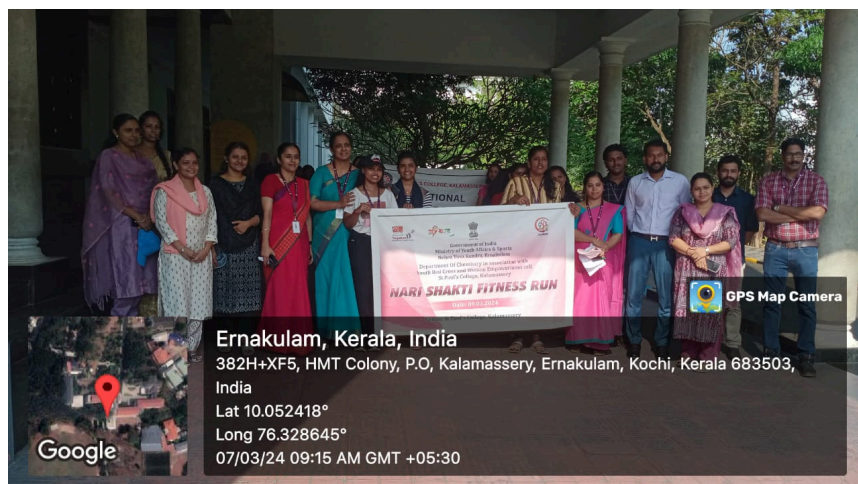
## 24. WATER ANALYSIS WORKSHOP-2024

On March 12, 2024, Department of chemistry, St. Pauls college, Kalamassery in collaboration with Department of chemistry , The Cochin college, Kochi organized a workshop on water quality parameters analysis. The workshop aimed to provide hands-on training to students in analysing various parameters of water quality, crucial for understanding environmental chemistry and its implications. This workshop was done in connection with the MoU signed between the departments on Jan 2024.



## 25.NARI SHAKTI FITNESS RUN-2024

The NARI SHAKTI FITNESS RUNS, organized by the Department of Chemistry in association with Youth Red Cross and Women Empowerment Cell of St. Paul's College, Kalamassery, in collaboration with Nehru Yuva Kendra Sangathan, Ministry of Youth Affairs and Sports, Government of India, took place on 7th March 2024 at 9:00 AM. The primary aim of the run was to promote a sports culture, sportsmanship, fitness, and competitive spirit among women. It served as a sequel to the observance of International Women's Day, reiterating the pivotal role of healthy and fit women in the nation's development.



## 26. International Seminar on Chemical Science for Sustainable Future

The Department of Chemistry, St. Pauls College, Kalamassery in association with Centre for Research, ST. Teresa's College (Autonomous), Ernakulam, organized an International Seminar as a part of National Science Day titled "*Chemical Science for Sustainable Future*" in the auditorium of the arts block on the 23<sup>rd</sup> of February 2024, from 9:30 am to 3:30 pm.



Registration fee:  
Faculty-500/-  
Research Scholars & Students-350/-  
Contact no: +91 95677 77963

Registration fee includes Seminar Kit, Certificates, Lunch and Refreshments

For Registration, Link:  
<https://forms.gle/vskKpXU84sonLP2i8>  
Submit Paper to:  
<https://forms.gle/ztarmpwtsdAhzRSA7>

Last date for Paper submission: 15 February 2024

Patrons :  
Rev. Dr. Sr. Vinitha CSST  
Principal Superior & Manager  
Rev. Sr. Emeline CSST  
Dean  
Dr. Alphonsa Vijaya Joseph  
Principal

Convener:  
Dr. Saritha Chandran A.

Coordinators:  
Dr. Shanty A. A.  
Mr. Linto Anto

Organizing Committee :  
Dr. Ushamani M.  
Dr. Elizabeth Kuruvilla  
Dr. Anna Raju  
Dr. Nisha T.P.

## 27.ADD ON course on environment sustainability and waste management



