

ANNUAL REPORT 2023-2024

RESEARCH AND POST-GRADUATE DEPARTMENT OF CHEMISTRY, ST. STEPHEN'S COLLEGE, PATHANAPURAM.

1. Environment Day Celebration

The Department of Chemistry & NCC unit of St. Stephen's College, Pathanapuram jointly celebrated "World Environment Day" on 5th June 2023. The programme was inaugurated by the College Principal, Mr. Roy John. The Poster making competition was conducted in relation to the current theme of Environment Day. The prizes were distributed to the best two posters, Ms. Subhana S, III Year B.Sc. Chemistry and Ashtami P S, II Year B.Sc Botany bagged first and second prizes, respectively. Besides, the students actively participated in the cleaning activity held in the campus. A rally was also conducted to make the college students aware of the impact of hazardous plastic wastes on environmental sustainability. The students also planted trees as an initiative step to save the environment.



2. Onam Celebrations

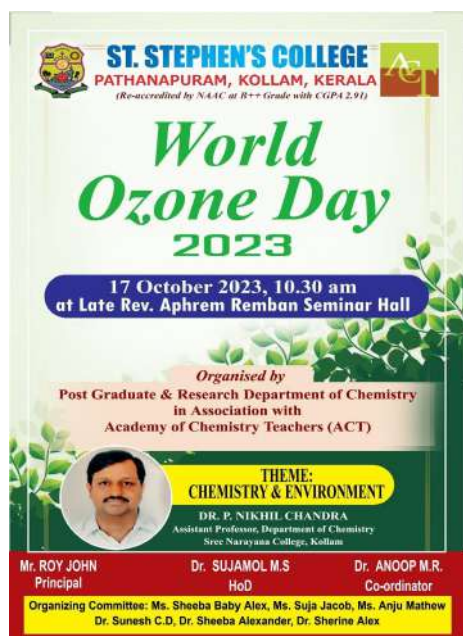
Onam was celebrated on August 23, 2023. The celebrations of the department was inaugurated by Dr. Sujamol M.S (Head, Department of Chemistry). All of the students eagerly took part in the festivities. The Onam message was given by Dr Sheeba K. John, Assistant Professor, St. Stephens College, Pathanapuram. The vote of thanks was proposed by Mr. Abhijith J Kumar, and the programme featured a range of Onam-related activities like Tug of War, Onam songs, Thiruvathira etc.





3. Ozone Day Celebrations

The Research and PG Department of Chemistry in association with ACT (Academy of Chemistry Teachers) organized the ‘World Ozone Day 2023’ on 17 October 2023 at 10.30 am in Late. Rev. Aphrem Remban Seminar Hall. Dr. Sujamol M S (Head, Department of Chemistry), delivered the welcome speech and Dr. Blessy John, Principal in charge presided over the meeting. Dr. P. Nikhil Chandra (Assistant Professor, Department of Chemistry, S.N College, Kollam) was the chief guest and presented an invited talk on “Chemistry & Environment”. 65 students and 7 teachers participated in this programme. Dr. Anoop M.R. (Assistant Professor, Department of Chemistry, St. Stephen’s College, Pathanapuram) was the Programme Coordinator.



4. Inauguration of Chemistry Association & Walk with Scholar

The Research and PG Department of Chemistry organised the Chemistry Association Inauguration on 03rd November 2023 at 10.30 am in Late Rev Fr. Denaha Mathew Seminar Hall. Dr Sujamol M. S. welcomed the gathering and Dr. Pournami P., Principal in charge presided the meeting. Dr. Alex Joseph (Assistant Professor, Department of Chemistry, Newman College, Thodupuzha) was the chief guest and he conducted the “Walk with Scholar” programme and an invited talk on “Chemistry – Scope and Career”. Mr Abhijith J Kumar, Association secretary delivered the vote of thanks. 70 students and 7 teachers participated in this programme.



ST. STEPHEN'S COLLEGE, PATHANAPURAM

Re-accredited by NAAC at B++Grade with CGPA 2.91

Post Graduate & Research Dept. of Chemistry

In Association with IQAC

Chemistry Association Inauguration &

MEET THE SCHOLAR

Date : 3rd November 2023

Time : 10.00 am

**Venue : Late Rev.Fr. Denaha Mathew
Seminar Hall**



Chief Guest

Dr. Alex Joseph

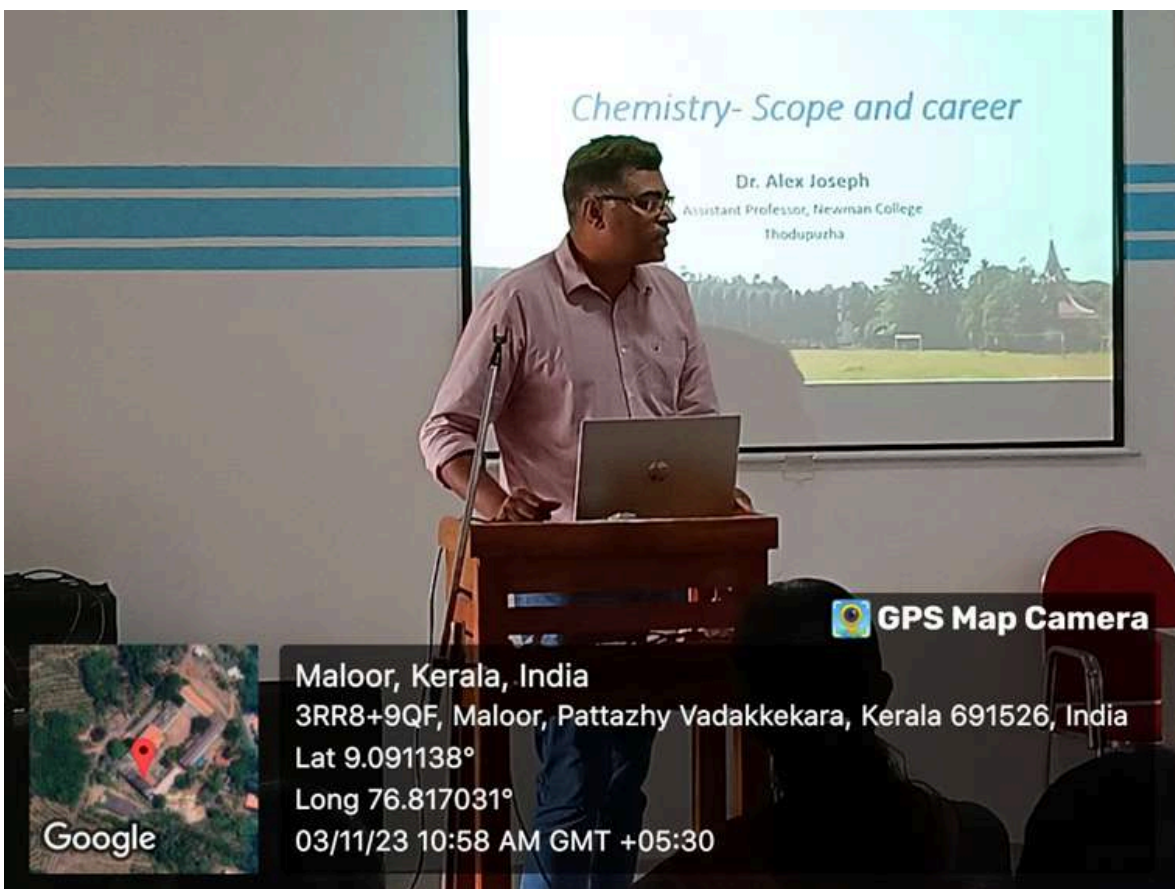
**Asst. Prof. Newman College
Thodupuzha**

Mr. Roy John
Principal

Dr. Sujamol M.S
HoD

Dr. Sherine Alex
Association in Charge

**Organizing committee : Ms. Sheeba Baby Alex, Ms. Suja Jacob, Mr. Anoop M. R,
Ms. Anju Mathew, Dr. Sunesh C. D, Dr. Sheeba Alexander**



5. Extension Activity- Training programme on “Suchithopadhi”

In collaboration with IQAC, IEDC and IIC, Department of Chemistry organised a hands-on training programme “Suchithopadhi” on 22nd November 2023 for the local people in Pattazhi Vadakkekara Gramapanchayath. The 19 participants were delighted by the session carried out by Dr Manu V. (Assistant Professor of Chemistry, St. Gregorios College, Kottarakara). The raw materials for the initiative were provided by the Department of Chemistry. The training programme was conducted on detergent powder, liquid soap, floor cleaning solution and soap making. The participants were able to understand the importance of natural resources and also were able to look at a new business opportunity for themselves.



സെന്റ് സ്റ്റീഫൻസ് കോളേജ് പത്തനാപുരം



രസതന്ത്ര വിഭാഗവും ഐ. ക്യു. എ. സി. യും സംയുക്തമായി
സംഘടിപ്പിക്കുന്ന സാമൂഹികോന്നമന പ്രവർത്തനം.

ശുചിയോപായി നിർമ്മാണ പരിശീലന പരിപാടി

പത്തനാപുരം സെന്റ് സ്റ്റീഫൻസ് കോളേജ് രസതന്ത്ര വിഭാഗത്തിന്റെ ആഭിമുഖ്യത്തിൽ ശുചിയോപായി നിർമ്മാണ പരിശീലന പരിപാടി 2023 നവംബർ 22-ാം തീയതി രാവിലെ 10 മണിക്ക് കോളേജിലെ രസതന്ത്ര വിഭാഗത്തിൽ വച്ച് നടത്തപ്പെടുന്നു. ശുചിത്വ ശീലത്തിന്റെ അടിസ്ഥാന പാഠങ്ങൾ പറഞ്ഞ് വിവിധതരം ശുദ്ധീകരണ ലായനികൾ നിർമ്മിക്കുന്നതിന് ഡോ. മനു വി. (അസി. പ്രൊഫ. കെച്ച്സ്ട്രി, സെന്റ് ഗ്രിഗോറിയോസ് കോളേജ്, കൊട്ടാരക്കര) പരിശീലനം നൽകുന്നു.

ഈ മേഖലയിൽ പ്രവർത്തിക്കുവാനും സ്വയം തൊഴിൽ യൂണിറ്റുകൾ ആരംഭിക്കുവാനും താല്പരരുള്ളവരെ ഈ പരിപാടിയ്ക്കുവേണ്ടി ഹാർജായി സ്വാഗതം ചെയ്യുന്നു.

എന്ന്,

ഡോ. ഷെനിൻ അലക്സ്
കൺവീനർ

ഡോ. സുജമോൾ എം.എസ്
രസതന്ത്ര വിഭാഗം മേധാവി

ശ്രീ. റോയി ജോൺ
പ്രധാന അധ്യാപകൻ

സംഘാടക സമിതി

ഷീബാ ബേബി അലക്സ്, സുജാ ജേക്കബ്, ഡോ. അനൂപ് എം.ആർ, അഞ്ജു മാത്യു, ഡോ. സുനീഷ് സി.ഡി, ഡോ. ഷീബാ അലക്സാണ്ടർ



Maloor, Kerala, India
3RR8+9QF, Maloor, Pattazhy Vadakkekara, Kerala 691526, India
Lat 9.091123°
Long 76.817027°
22/11/23 11:48 AM GMT +05:30

Google

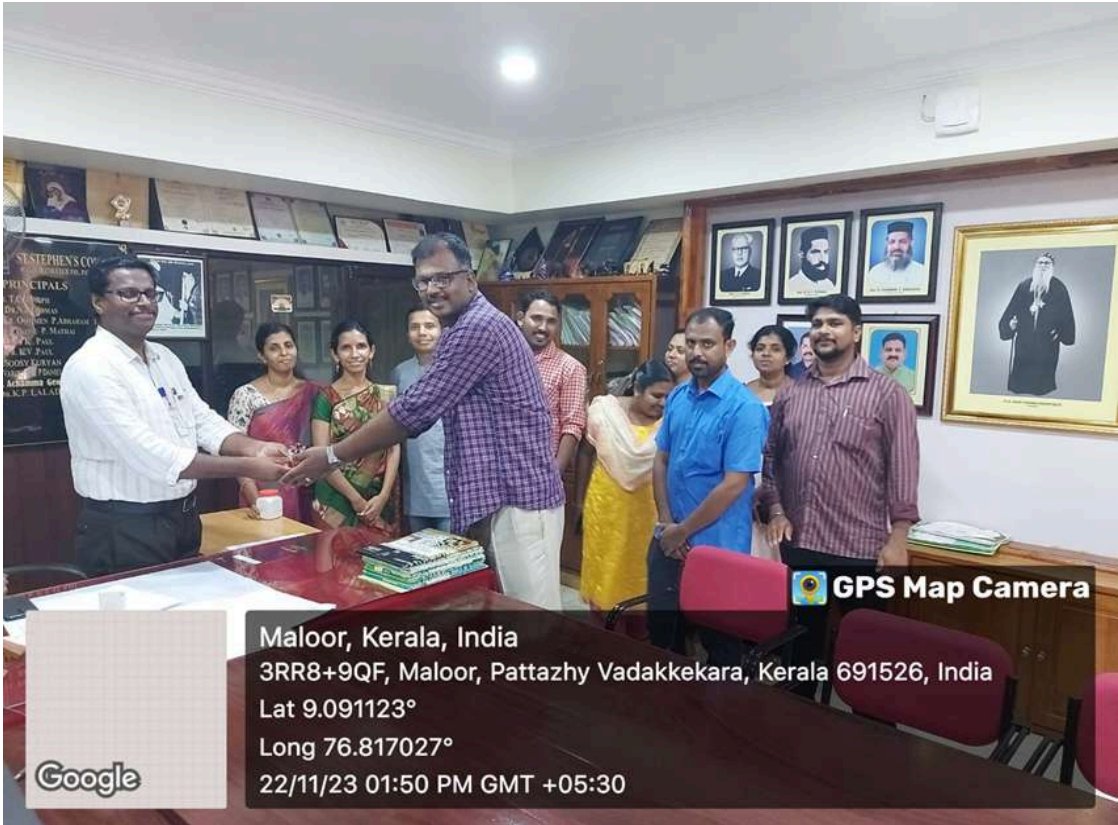
GPS Map Camera



Maloor, Kerala, India
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Long 76.817027°
22/11/23 10:56 AM GMT +05:30

Google

GPS Map Camera



GPS Map Camera

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Long 76.817027°
22/11/23 01:50 PM GMT +05:30

Google

Extension Activity Dated 22/11/2023-57

No.	Name & Address	Phone No.	Signature
1	Gudija gopi (Maloor)	8606408031	
2	Asha . S R (Maloor)	7902574903	
3	Lekshika . S Maloor	9747276233	
4	Krishna Kumary . N (Maloor)	9747027630	
5	Sindhu . Maloor	9074512479	
6	Ajaya Suresh Maloor	8139855001	
7	Vijayamma Maloor	8086797781	
8	Dini Maloor	8129794949	
9	Sheeja Kalidas Kodumudi	9847655337	
10	Nandana . S	9448470116	
11	Bahija . N	9605117380	
12	Gowrylakshmi . J	6238113812	
13	Anusui . S.	5590474064	
14	Parvathy Nale	8281373510	
15	Arna Neha Roy	6236284678	
16	Durga . R . V	9048542952	
17	Megha Elsa Georgy	7838071247	
18	Aeya . S . Nais	9995915349	
19	Vidhu Krishnan . U .	6282869057	

SHOT ON OPPO

6. Prof. Annie Ninan Memorial Interdepartmental Quiz Competition

The post-graduate and research department of Chemistry organized Prof. Annie Ninan Memorial inter-departmental quiz competition on 15th December 2023 at 10 am in Late Rev. Aprem Remban Memorial Seminar Hall. Ms. Anna Anil George, Assistant Professor, Department of English, St. Stephen's College, Pathanapuram served as the quiz master. Eight teams from different departments participated in the competition. Ms. Ajina A and Ms. Megha Elsa Georgy of the Department of Chemistry won the first prize. Ms. Mayarani V and Mr. Muhammed Ibinu A. of the Department of Botany won the second prize. Ms. Geetha Annie George, Former Head, Department of Chemistry gave felicitations for the programme.


ST. STEPHEN'S COLLEGE
 PATHANAPURAM, KOLLAM DIST
 Re-accruedited by NAAC at B++ Grade
 with CGPA 2.91



**PROF. ANNIE NINAN MEMORIAL
 INTER DEPARTMENTAL QUIZ - 2023**
 15th December 2023, 10.00 am
 Venue : Late Rev. Aprem Remban Seminar Hall

Prof. Annie Ninan (1964-2012)
 Prof. Annie Ninan joined as a faculty member in the Department of Chemistry in 1989. She showed her academic excellence both as a stephanian and as a faculty member. To commemorate her dedicated service, the department has been organizing quiz competition since 2014. Let us pray for her soul.

Organized by
 Post Graduate and Research Department of Chemistry

Dear Sir/Madam,

The Post Graduate and Research Department of Chemistry is organising Prof. Annie Ninan Memorial Inter Departmental Quiz Competition in memory of our beloved former faculty member Late. Prof. Annie Ninan on 15.12.2023 at 10.00 am in the Seminar Hall.

We cordially invite you to the programme.

Mr. Roy John Principal	Ms. Suja Jacob Co-ordinator	Dr. Sujamol M.S HoD
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Programme

10.00 am : Inauguration
Mr. Roy John (Principal)
 Felicitation (Former Teachers)

10.30 am : General Quiz
Ms. Anna Anil George
 (Asst. Prof. Dept. of English,
 St.Stephen's College, Pathanapuram)

12.30 pm : Prize Distribution

Points to Note

- ◆ Each Department may send a team of two students to the Quiz Competition.
- ◆ Participants should report at the venue at 10.00 am on 15th December 2023
- ◆ The decision of Quiz Master will be final

Organizing Committee

Ms. Shreeba Baby Alex
 Dr. Anoop M.R
 Ms. Anju Mathew
 Dr. Sunesh C.D
 Dr. Sheeba Alexander
 Dr. Sherine Alex



GPS Map Camera

Maloor, Kerala, India
 3RR8+9WV, Maloor, Pattazhy Vadakkekara, Kerala 691526, India
 Lat 9.090813°
 Long 76.817147°
 15/12/23 10:52 AM GMT +06:30



GPS Map Camera

Pattazhy Vadakkekara, Kerala, India
 3RR8+9WV, Maloor, Pattazhy Vadakkekara, Kerala 691526, India
 Lat 9.090778°
 Long 76.817178°
 15/12/23 11:56 AM GMT +06:30



7. 7. X'MAS CELEBRATION

Christmas celebration was held on December 22, 2023. A Christmas greeting was delivered by Ms. Suja Jacob, Head in Charge of the Department of Chemistry. The Christmas message was given by Fr. George Mathew, Assistant Professor of Oriental Languages, St. Stephen's College, Pathanapuram. Students from all the classes performed various cultural activities.





8. Alumni Meeting

The Department of Chemistry conducted 14th Chemistry Stephani alumni meeting on 13 January at 10.00am. Mr. Syam Devaraj, Legal Correspondent, Reporter TV was the Chief Guest. Principal Mr. Roy John presided over the meeting. Dr. Sujamol M.S., Head, Department of Chemistry delivered the welcome speech. We honoured Ms. Renu Thomas teacher. Former teachers, Dr. Varghese P. Daniel, Ms. Geetha Annie George, Dr. Susan Joseph and Ms. Renu Thomas attended the function.



ST.STEPHEN'S COLLEGE

(Re-accredited by NAAC at B++ grade with CGPA 2.91)
Pathanapuram, Kollam Dist., Kerala State

POST - GRADUATE & RESEARCH DEPARTMENT OF CHEMISTRY

CHEMISTRY STEPHANI ALUMNI MEET 2024

*We cordially invite you to the
14th Chemistry Stephani Alumni Meet
on*

*13th January at 10.00 am
in Late Rev. Aprem Remban
Seminar Hall.*

Chief Guest: **Mr. SYAM DEVARAJ**
Legal Correspondent
Reporter TV

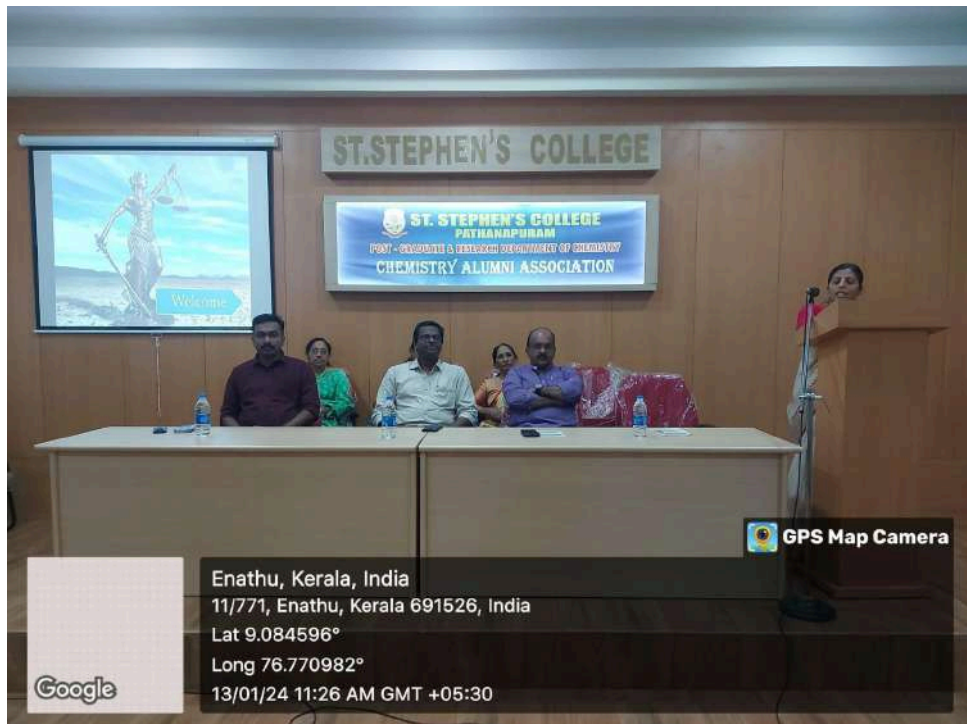


Mr. Roy John
Principal

Adv. P. Gopakumar
Secretary Alumni

Dr. Sujamol M.S
HoD, Chemistry

Dr. Sheeba Alexander
Convenor





9. EDUCATIONAL TOUR

As part of the B.Sc. Chemistry Curriculum, educational study tour was organised by the Department of Chemistry, St. Stephen's College, Pathanapuram to Marayoor and Munnar from 12 to 15 February for final year degree students. A group of 17 students was accompanied by Dr. Sherine Alex, Dr. Anoop M R, Assistant Professors of Chemistry and Mr. Jayson Varghese, Lab Assistant of Chemistry Department. During the study trip, they visited Kannan Devan Hills Plantations Company Private Limited in Munnar. The trip was very effective in understanding the various processes involved in producing tea powders.





10. STATE - LEVEL WORKSHOP ON “COMPUTATIONAL CHEMISTRY AND DRUG DESIGN”

A state-level workshop on Computational Chemistry and Drug Design was organised by the Department of Chemistry, St. Stephen's College, Pathanapuram on February 2nd, 2024, in the college seminar hall. Dr. Abi T.G, Assistant Professor, Sacred Heart College (Autonomous), Thevara, Ernakulam served as the Resource Person. The workshop began at 9:30 am and included a hands-on training session on molecular docking in the digital library. The workshop was attended by a total of 37 participants. The workshop was designed to explore the various Computer-Aided Drug Design (CADD) techniques and tools that are used

in drug discovery. The use of molecular modelling and docking has led to the development of highly effective drug agents that can combat a variety of diseases, revolutionizing the drug discovery process. By using computational models, researchers can predict biological activity and reduce the number of candidate molecules, saving significant amounts of time and money. CADD provides researchers with a unique platform to screen newly synthesized molecules and develop safer and more effective drugs. The exceptional ability of CADD to decipher molecular interactions, mechanisms, and activities has revolutionized the drug discovery industry.

REGISTRATION
Research Scholars : Rs. 200/-
Faculty Members : Rs. 300/-
UG/PG students : Rs. 100/-

- Number of participants is limited to 40.
- Participants are requested to bring their Laptop with charger.

ORGANISING COMMITTEE
Ms. Suja Jacob
Dr. Anoop M.R
Ms. Anju Mathew
Dr. Sunesh C. D
Dr. Sheeba Alexander
Dr. Sherine Alex

For more details contact :-
Ms. Sheeba Baby Alex (Co-ordinator)
Department of Chemistry
St. Stephen's College, Pathanapuram.
Mobile No. 9861967774
Email: sheebababyalex@gmail.com

ST. STEPHEN'S COLLEGE
PATHANAPURAM
(Re-Accredited by NAAC at B++ Grade with CGPA 2.91)
Affiliated to the University of Kerala

STATE-LEVEL WORKSHOP ON COMPUTATIONAL CHEMISTRY & DRUG DESIGN

02 FEBRUARY 2024
Venue: Late Rev. Aprem Ramban Seminar Hall

Mr. Roy John
Principal

Dr. Sujamol M.S.
HOD

Ms. Sheeba Baby Alex
Co-ordinator

Organized by : POST-GRADUATE & RESEARCH DEPARTMENT OF CHEMISTRY
(IN ASSOCIATION WITH IQAC)



Sir/Madam

The Department of Chemistry, St. Stephen's College, Pathanapuram, is organizing a State-level Workshop on Computational Chemistry and Drug Design. We warmly welcome the faculty members, research scholars, and students of your esteemed institution/ department to actively involve in the academic activity.

Objectives

This workshop is designed for researchers and academicians who are interested in using computer-based methods to improve the efficiency of their research in the fields of medicinal chemistry, biochemistry, and bioinformatics. The workshop will cover the fundamental concepts behind computational methods and provide training in the practical aspects of computer-aided drug design.

About the college

St. Stephen's College, an esteemed institution in Pathanapuram, was established in 1954. It offers eight undergraduate programs in Botany, Chemistry, Mathematics, Physics, Zoology, Economics, English and Commerce as well as five post-graduate programs in Botany, Chemistry, Mathematics, Physics and Zoology. The Departments of Zoology and Chemistry are the Research Centres of the University of Kerala. In 2022, the college was re-accredited by the NAAC at B++ Grade with CGPA 2.91.

Resource Person



Dr. Abi T.G.
Assistant Professor & Research Guide
Sacred Heart College (Autonomous),
Thiruvira, Ernakulam.



PROGRAMME SCHEDULE

02/02/2024 (Friday)

Registration : 9.00-9.30 am

Inaugural Session

Prayer

Welcome : **Dr. Sujamol M.S**
(Head, Department of Chemistry)

Presidential Address : **Mr. Roy John**
(Principal)

Inauguration : **Very Rev. Younan Samuel Remban**
(Manager, Mount Tabor Diara)

Felicitation : **Rev. Fr. Dr. Roy John**
(Governing Body Member)

Vobo of Thanks : **Ms. Shooaba Baby Alex**
(Asst. Prof. Department of Chemistry)

Technical Session

Session I : Introduction to Computational Methods in Drug Discovery

11.30-11.45 am : Tea Break

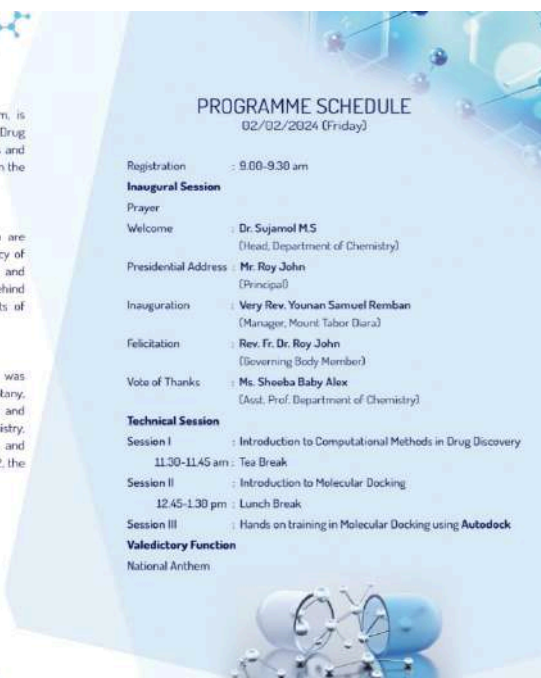
Session II : Introduction to Molecular Docking

12.45-1.30 pm : Lunch Break

Session III : Hands on training in Molecular Docking using **Autodock**

Valedictory Function

National Anthem





List of participants.

STATE LEVEL WORKSHOP ON "COMPUTATIONAL CHEMISTRY & DRUG DESIGN" 02/02/2024

Sl. No.	Name And Address	Department	Signature
1.	Abhejith. St. Gregorius College Kottankara 1 st MSc.	chemistry	<i>Abhejith</i>
2.	Vishu Krishnan ✓ St. Stephens College, Alpm.	Chemistry	<i>Vishu</i>
3.	Bakiya	"	<i>Bakiya</i>
4.	Anna	"	<i>Anna</i>
5.	Parvathy	"	<i>Parvathy</i>
6.	Anusree S.	"	<i>Anusree</i>
7.	Fidha	"	<i>Fidha</i>
8.	Nandhana	"	<i>Nandhana</i>
9.	Megha	"	<i>Megha</i>

10.	Durga	"	<i>Durga</i>
11.	Bhavya	"	<i>Bhavya</i>
12.	Gourish	"	<i>Gourish</i>
13.	Arya	"	<i>Arya</i>
14.	1 st MSc Botany Revathy Suresh	Botany	<i>Revathy</i>

15.	Arunima J Krishnan	"	<i>Arunima</i>
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16	Abhirami S R	"	10/3
17	Akashini S	"	
18	Ashwanya B S	"	
19	Arju P B	"	
20	Arjunol S	"	
21	Arya V P	"	
22	Athira S	"	
23	Athira H S	"	
24	Santhi Kumar	"	S
25	Dhruvya M	"	Dhruvya
26	Ajmal Johnson	"	Ajmal

27	Shamna Shams	"	
28	Sandhya Thomas Anush	"	
29	Anush Kumar R. The Oxford College of Science Bangalore		Anush
30	Vahnu Suresh S		Vahnu

31	Jayalakshmi B S Asst Professor Dept of Chemistry	Faculty	Gr pay. (300)	Jayalakshmi
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32	Muhammed Abinash A	Botany	11/3/24
33	Glenn D. Silva	"	11/3/24
34	Syama Prasad	"	11/3/24
35	Muhsina Myzeeb MST college, Kayamkulam	Bsc. Msc Chemistry	11/3/24
36	Arin Bhanu MST college, Kayamkulam	Msc. Chemistry	11/3/24
37	Dr. Ragesh Chandran Dept. of Physics St. Stephen's College Pathanapuram	Asst. Professor Dept. of Physics Rs. 800/-	11/3/24

11. SCIENCE DAY CELEBRATION -CHEMFIESTA

The Research and PG Department of Chemistry conducted the National Science Day Celebration-2024 'CHEMFIESTA' on 1st March 2024 in Late Aprem Remban Seminar Hall. Various programs including science talk, PowerPoint presentations, science quiz competition, and one-minute speech competition were conducted. Dr. Sujamol M S (HoD), delivered the welcome speech and Mr. Roy John, Principal presided over the meeting. Dr. Sunesh C D (Assistant Professor, Department of Chemistry, St. Stephen's College Pathanapuram) gave a theme-based talk on "Indigenous Technologies for Viksit Bharat". Dr. Anoop M R (Assistant Professor, Department of Chemistry, St. Stephen's College Pathanapuram) conducted a science-based Quiz competition for students. Winners of all competitions were awarded with prizes.



ST. STEPHEN'S COLLEGE
PATHANAPURAM

POST- GRADUATE AND RESEARCH
DEPARTMENT OF CHEMISTRY



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD, Government of India)



**NATIONAL SCIENCE DAY
CELEBRATION**

CHEMFIESTA-2024

EVENTS

- Sci-Talk
- PPT Competition
- Quiz Competition
- One minute speech competition

Theme:

"Indigenous Technologies
for Viksit Bharat"



: Aprem Ramban Seminar Hall



: 01.03.2024



: 9.30 am - 12.30 pm

All are cordially invited...

Principal
Mr. Roy John

HoD
Dr. Sujamol M S

Coordinator
Ms. Anju Mathew

Organizing committee:

Ms. Sheeba Baby Alex, Ms. Suja Jacob, Dr. Anoop MR,
Dr. Suneesh CD, Dr. Sheeba Alexander, Dr. Sherine Alex





12. Valedictory function of Chemistry Association.

The Research and PG Department of Chemistry organised the Valedictory function of the Chemistry Association on 25th March 2024 at 11.30 am in Late Rev Fr. Denaha Mathew Seminar Hall. Dr Sujamol M S, Head, Department of Chemistry welcomed the gathering and Mr Roy John, Principal presided over the meeting. Mr Abhijith J Kumar, Association secretary presented the annual report and Dr. Sherine Alex gave felicitation. The final year students shared their memories and Ms. Sruthi Suresh delivered the vote of thanks. 74 students and 8 teachers participated in the programme.



