

Activity Report of Polymer Chemistry

2022-23

ALUMNI CONTRIBUTION

DATE 05-01-2023.

Polymer Chemistry Alumni sponsored a black/white printer to the Dept. they donated *Two-sided printer, Brother Manufacturing Company*, of worth Rs. 16, 000 to the Dept. of Polymer Chemistry. It was a good initiative by the PC Alumni for the year 2022-23. We congratulated the members of alumni through our WhatsApp group, for their remarkable contribution.



Polymer Chemistry alumni gives Printer to Dept.

" Alumni Contribute to Department's Growth with New Projector Donation"

The Polymer Chemistry alumni have made a valuable contribution to their department by providing a new projector of worth Rs. 14, 000. Habeeba P (2009-12 Batch) Handed over new projector to Polymer Chemistry Department in presence of Principal Dr. T. Majeesh and Dr. Muhammed Ismayi K.M HOD of the Department on 23/12/2022. .

The alumni's contribution not only highlights their commitment to their alma mater but also sets an example for other alumni to follow. The alumni's contribution towards the purchase of the new projector for the Polymer Chemistry Department is greatly appreciated.



Alumni Ms. Habeeba P.P donating projector to the Dept. of Polymer Chemistry

Career Paths: Learning from Success Stories

The Polymer Chemistry Department organized a program (20/02/23) on "**Career Paths: Learning from Alumni Success Stories**," in association with career and Counselling Cell NAM College Kallikkandy featuring Mr. Sreejin S (2011-14 batch), a chemist from Dubai, as the resource person. The purpose of the programme was to provide sixth-semester students with insights and guidance on different career options in the field of polymer chemistry through his experiences.

He also shared his personal experiences and gave tips on how to succeed in the industry. The program received positive feedback from the students. They found the program to be informative and helpful in their career exploration. The alumni also appreciated the opportunity to give back to their alma mater and share their experiences with the next generation of polymer chemists.



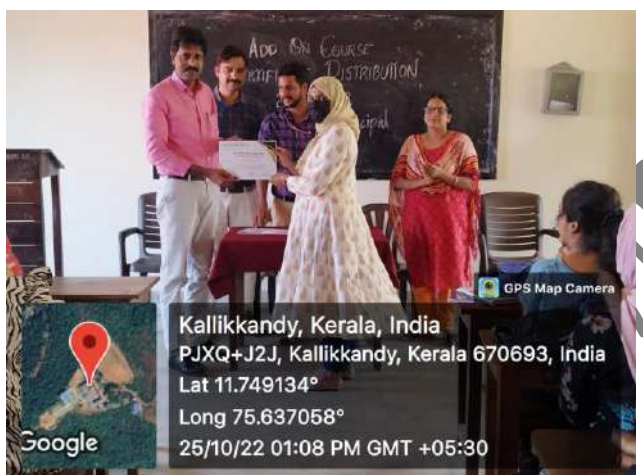
Alumni Mr. Sreejin S (2011-14 batch), interacting with final year PC students

Add-on Course Certificate Distribution Programme

Date: 25-10-2022.

No. of students participated: 21

A programme for certificate distribution of Add-on Course was conducted by Department of Polymer Chemistry on 25-10-2022. The programme was inaugurated by the Principal Dr. Majeesh T. HOD of Polymer Chemistry, Dr Mohammad Ismayil K M presided over the function. Ms. Anusree K, Mr. Namshad K P and Mr. Haris T K were also attended the programme. Most of the previous students, who passed in final year UG Exam, 2022-March, came to receive their certificate on the occasion. The Principal has distributed the certificate of add-on courses for Water Quality: Concepts And Analysis & Health and Hygiene Products of 2021-22. He congratulated all the students who are studying at different higher education institutions in and outside Kerala and advised them to achieve their own goals and dreams.



The Principal distributes certificates of add-on courses

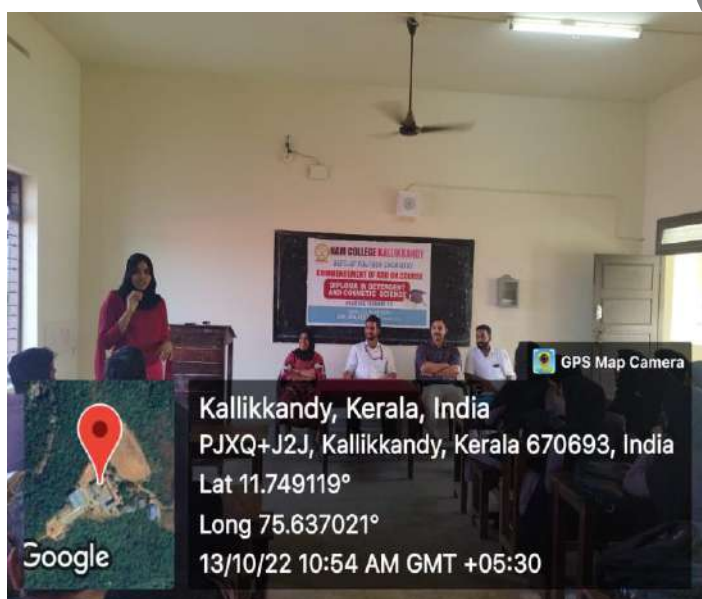
Commencement of Add-on and Certificate Courses 2022-23

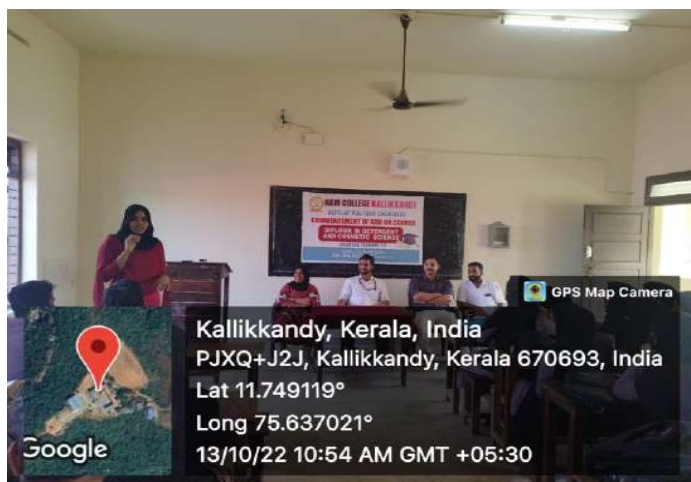
Department of polymer Chemistry organized an interactive session for the 3rd year students on 13-10-2022 in connection with the commencement of Add-on and Certificate Courses That will be conducted during the academic year 2022-23.

The course is named as ACPC2201: ADD ON COURSE IN ANTISEPTICS AND COSMETICS. The session was handled by Ms. Habeeba Patyeripoyil. She is an expert in the field of soaps, detergents and cosmetic making. She encouraged the students to join the course.

She explained different theoretical as well as practical aspects of antiseptics and cosmetics preparation. She could motivate the students by telling different examples who are earning money by employing in the field of antiseptics and detergent making.

Principal, Dr. Majeesh T inaugurated the programme. Dr. Mohammad Ismayil K M, HOD Dept. of Polymer Chemistry presided over the function. He introduced the other courses viz. ACPC2202: CHARACTERISTIC STUDY OF POLYMER THIN FILMS and CCPC2201: QUALITATIVE ANALYSIS OF FRESH WATER being implemented in the same academic for the first year and second year students of B Sc. Polymer Chemistry. Ms. Shabina K K, Mr. Namshad K P and Mr. T K Haris were also present in the function. All the courses are meant to conduct for a duration of 30 hrs. within each academic year.





Formal Session of commencement of Add-on course conducted by Department of polymer chemistry in the year 2022-23

Dish wash making

Date: 23-12-22

No. of students participated: 16

As part of add-on course programme Add-On Course in Antiseptics and Cosmetics, 2022-23, the final year students of B Sc. Polymer Chemistry, engaged in the practical session for the preparation of dish wash. They made use of chemicals and facilities available in the Chemistry Lab. Ms. Habeeba P P, Alumni of Polymer Chemistry, lead the session. All students were actively involved in the practical class. They took the samples of hand wash, prepared in this session, for their own uses.





A practical session on Dish wash making.

Orientation for Internship Programme 2022

Date: 15-10-22

No. of students participated: 89

An orientation for Internship programme was conducted for the 2nd and 3rd year students of B Sc. Polymer Chemistry on 15-10-2022. The main objective of the programme was to get an opportunity for chemistry students to collaborate academic activities with industry.

We got an opportunity for industry collaboration with an analytical lab & industrial training center at Vadakara named *SynTheCis*, Institute of Chemical Industrial Training. They were agreed to provide training for students in the field of quality testing of petroleum products and water. Mr. Sherjil A S, Director of *SynTheCis*, delivered a talk on various career opportunity in this field in India and abroad and interacted with the students. Dr. Majeesh T, Principal, inaugurated the programme. Dr. Mohammed Ismayil K M, HOD, Dept. of Polymer Chemistry presided over the function. Mrs. Shabina K K, Mr. Namshad K P and Mr. T K Haris were also participated in the function.



Dept. of Polymer Chemistry Internship Programme 2022

Internship programme at NIT

Date: 27-12-22

No. of students participated: 10

An internship programme was conducted at NIT Calicut, for the final year students of B Sc. Polymer Chemistry. Dr. Manaf A and research scholars Mr. Juraij T, Ms. Sunitha, working under the guidance of Dr. Sujith A, Professor of Materials Research Centre of Chemical Science Dept. of NITC, interacted with the students. Ten students were attended in the Internship programme on 24-12-2022. They got familiarised the working principles and advantages of different instruments used physical methods of material analysis. It includes FTIR, UV-Visible spectrophotometer, Goniometer, electro-spun machine, UTM etc. They could analyse the samples of PVC based composite thin films, those they were prepared as part of their project work. Dr. Muhammd Ismayil K M, HOD of Polymer Chemistry lead the students in the internship programme.



Internship programme at NIT

Internship programme at 'SynTheCis'

No. of students participated: 13
Date: 03-12-2022 to 07-12-2023

An internship programme was conducted at 'SynTheCis' Vadakara. It's a institute for Chemical and industrial training especially in the field of water and petrochemical products. for the final year students of B Sc. Polymer Chemistry. Fifteen students were attended in the Internship programme on 03-12-2022.

They studied the instrumentation, uses and advantages of different instruments like UV-Visible spectrophotometer, PH meter, flame photometer etc. used petrochemical and water analysis industries.

Competitive Exam Preparation Class

Date: 13-03-2023

No. of participants: 57

Department of polymer Chemistry in association with Career Guidance and Counselling Cell and IQAC organized M Sc. Competitive Entrance Exam orientation class for BSc. Polymer Chemistry students on 13-03-2023. Principal, Dr. Majeesh T inaugurated the programme.

The session was handled by Ramshad K, Research Scholar, IIT Madrass. He encouraged the students to attend various entrance examinations like JAAM, CUET, GATE etc. and other Central University entrance examinations. He gave some numerical problems in organic and physical chemistry part as examples and taught students to how solve it.

Dr. Mohammed Ismayil K M, HOD Dept. of Polymer Chemistry presided over the function. Ms. Anusree K and Ms. Shabina K K, were also presented in the programme.





M Sc. Competitive entrance exam orientation class

Research Methodology Seminar

Date: 13-01-2023 Friday

Venue: seminar hall

One day Research Methodology Seminar was conducted on 13-01-2023, Friday at seminar hall. Dr. Jithesh kivil, Asst. Prof., S N College, Kannur, was the resource person. The title of the seminar was ‘**Scope & Objectives of Nanomaterial Research for Energy and Environmental Remediation**’. He also inaugurated Polymer chemistry association 2022-23. He spoke well regarding the research opportunities in the field of nano material research and environmental remediation like photocatalytic activities, antibacterial properties, renewable energy materials etc.. Students were enthusiastic in his talk and they highly motivated and asked questions and doubts regarding their research career in future. The resource person showed and explained some research papers that he published in international journals during his research work.

Dept. HOD, Dr. Muhammad Ismayil K M, presided over the function. The Principal Dr. Majeesh T made the introductory speech, Mrs. Anusree K, Mrs. Shabina K K and Mr. Namshad K P were also spoke at the event. The seminar was conducted as part of the MoU signed on 08-12-2021 between Dept. of Polymer Chemistry, N A M College Kallikkandy and Post Graduate and Research Department of Chemistry, S N College, Kannur. The objectives of MoU are Collaborative Work in Research Methodology, Students Project Study and Continuous Internal Evaluation (CIE)



Polymer Chemistry Dept. Research methodology seminar

HONOURING FOR ACHIEVEMENT

On December 13, 2022, a programme was held to honour Mr. Rishin Dileep, final-year polymer chemistry student, for being selected for the Shastra Seema Bal. The programme started at 11.30 a.m. in the seminar hall. Dr. Muhammad Ismayil, HOD, Department of Polymer Chemistry, chaired the function. Ms. Anusree K gave the opening remarks. The keynote address was delivered by Dr. Majeesh T., Principal, NAM College, Kallikkandy. He also presented a memento to Mr. Rishin. Capt. Shameer A. P and Haris T. felicitated the program. Rishin shared his experiences with the entire selection process. The programme concluded with a vote of thanks by Muhammad Shaham.



Honouring of Mr. Rishin Dileep, for being selected for the Shastra Seema Bal

Three Day Internship Programme

Fundamentals of Polymer Synthesis and Characterisation Techniques

Number of students participated: 36

Date 08-03-2023 to 10-03-2023

A group of 36 students from Polymer Chemistry Department, NAM College Kallikkandy participated in three-day internship program at the Central Institute of Plastics Engineering and Technology (CIPET) at Palakkad, which included an industrial visit to Sagar Poly Products, a manufacturer of plastic tanks. Mr. Namshad K P, Asst. Prof. of Polymer Chemistry, lead the students in the programme.

The internship program at CIPET Palakkad provided the students with an opportunity to gain practical experience in the field of plastic engineering. The program included classroom lectures, practical training, and industrial visits, which helped the students to gain a deeper understanding of the theoretical concepts taught in the classroom. It gave the students an opportunity to observe the entire process of plastic tank manufacturing, from raw material preparation to the final product. Overall, the internship program at CIPET Palakkad was a valuable learning experience for the students from N.A.M College Kallikkandy.



Internship Programme at CIPET Palakkad

National Science Day Celebration

No. of students participated: 26

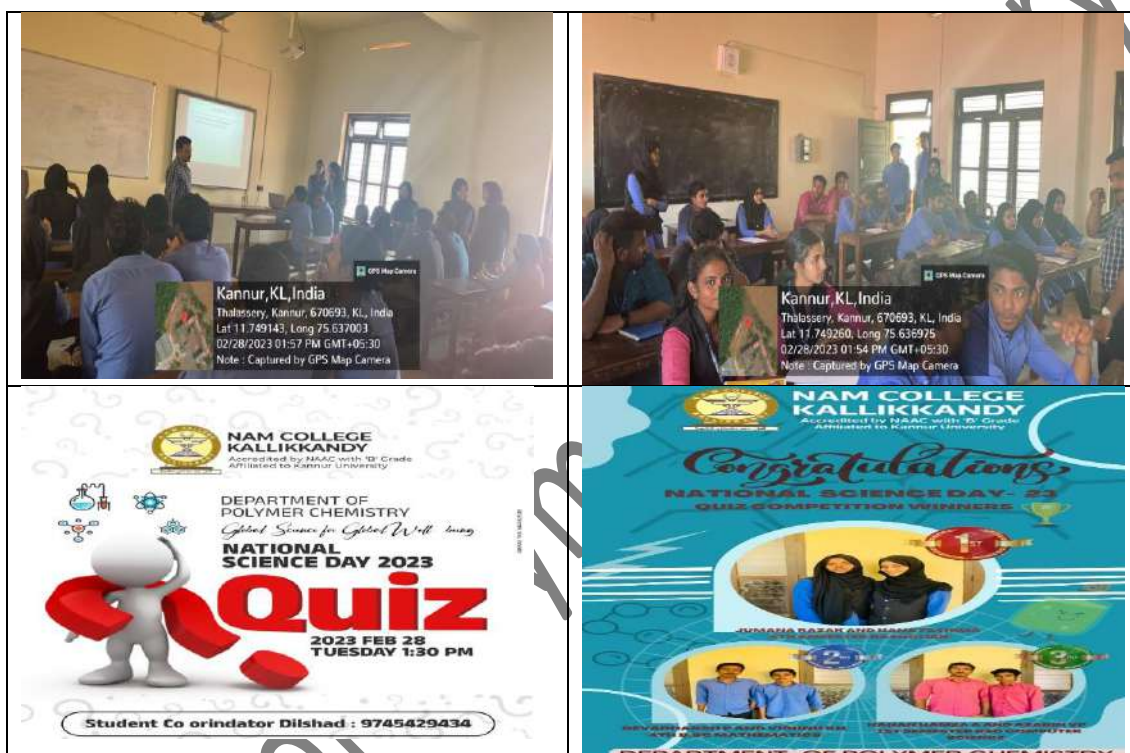
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The Dept. of Polymer Chemistry, on February 28th-2023, organised National Science Day Celebration at the G4 Classroom, which included a Quiz Competition as one of the programs. Mr. Namshad.K P was the coordinator of the programme. The competition saw the participation of 13 teams, and it was conducted under the guidance of Mr. Munfar Kappil, the Librarian of the College, who performed the role of the Quiz Master.

The competition consisted of several rounds, including multiple-choice questions, true/false questions. The teams had to answer the questions within a stipulated time frame, and at the end of the

competition, the winners were announced. The team consists of Jumana Razak and Hana Fathima (4th Semester BA English) was awarded the first prize. Devadharsh P and Vishnu KN (4th Sem B.Sc Mathematics) secured the second position and was awarded the second prize, while Hanan Hamza A and Azarin VP (1st Semester BSc Computer Science) was declared the third prize winner. The winners were felicitated with certificates and prizes, and their achievement was applauded by the audience.

Apart from the participants, the programme was also attended by Sayed Muhammed Fazil (Asst. Professor Dept. of Computer Science), and Mr. Muhammad Dilshad (The Association Secretary, Dept. of Polymer Chemistry) who were also actively involved in the programme.



National Science Day Celebration-Quiz Competition

ONE DAY SEMINAR ON RESEARCH METHODOLOGY

-Research Opportunities in foreign Universities

No. of participants: 76

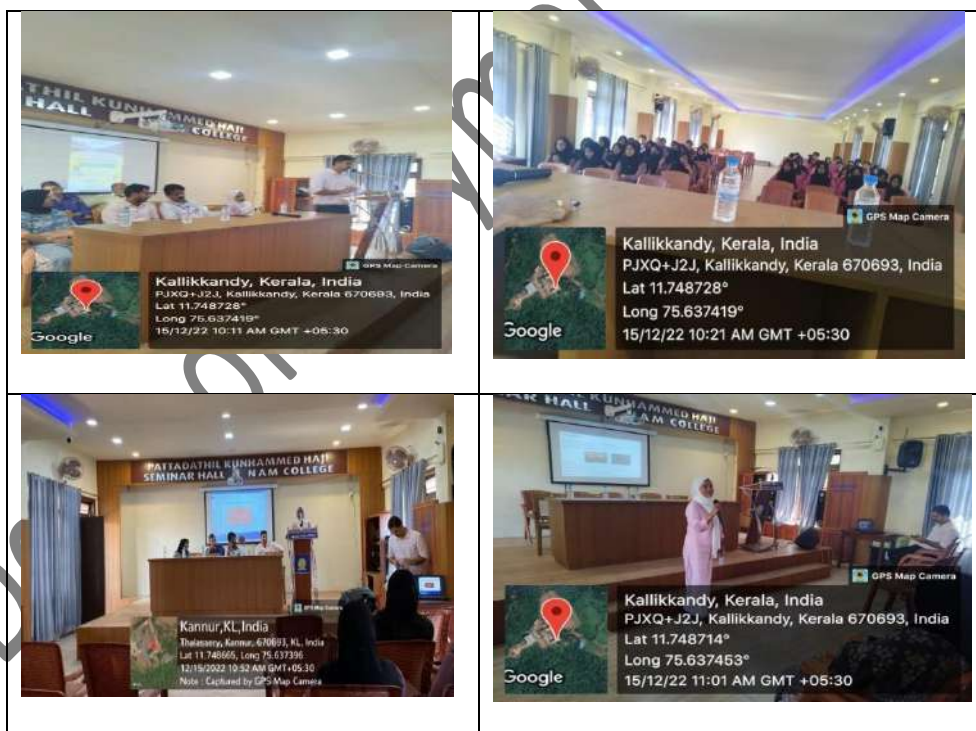
Date: 15/12/2022

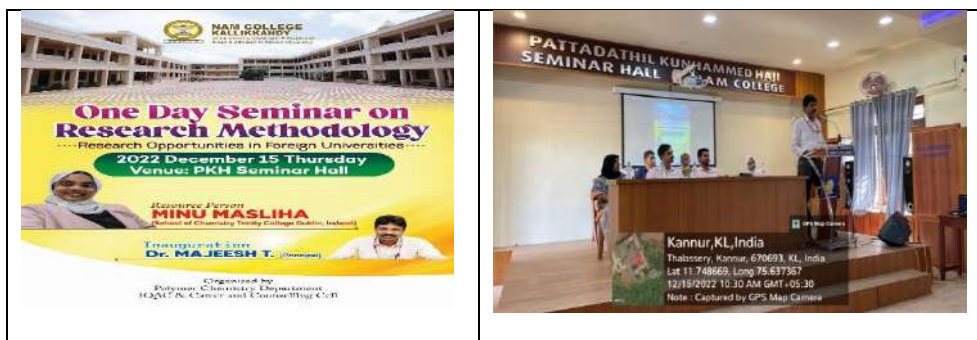
Department of Polymer Chemistry NAM College Kallikkandy, organized a one day seminar on Research Methodology -Research Opportunities in foreign Universities-on 15/12/2022 in association with IQAC & Career and counselling Cell. The session began with silent Prayer, proceeded to a warm welcome by Mr. Namshad.KP (Assistant Professor, Dept. of Polymer Chemistry). Dr.Muhammad Ismayil K.M (HOD, Dept. of Polymer Chemistry)

presided over the function. The seminar was inaugurated by Dr. Majeesh T (Principal, NAM College Kallikkandy).

Ms. Minu Masliha (Research Fellow, School of Chemistry, Trinity College, Ireland) was the resource person in the seminar. She shared some basic concepts of research methodologies and how to write a research proposal. She also briefed various research opportunities available in different foreign countries. The workshop was very interesting. Mrs. Shabina K.K. (Assistant professor Dept. of Polymer Chemistry), Ali kuyyalil (Junior Superintendent Of the Office) felicitated the programme. 67 Students actively participated in this seminar.

The session ended with a formal vote of thanks by Ms. Fameeha N.V. (6th sem polymer chemistry student).





One Day Seminar On Research Methodology -Research Opportunities in foreign Universities

Dept. of Polymer Chemistry