

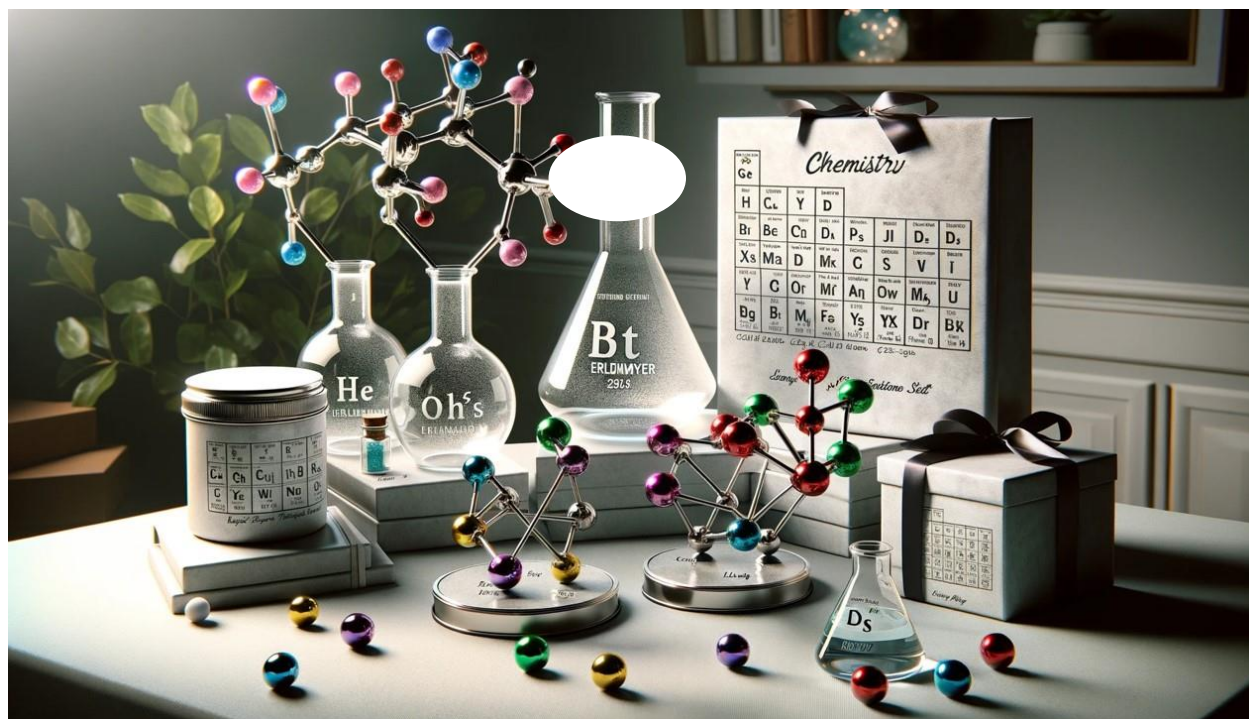
NSS COLLEGE MANJERI



ANNUAL REPORT 2023-24

DEPARTMENT OF CHEMISTRY

MARCH 2024



NSS College Manjeri is an Arts & Science college affiliated to University of Calicut, accredited by NAAC with 'B+' grade and is run by Nair Service Society. NSS College was established in 1965 by the great leader of Nair Service Society, Bharatha Kesari Shri.Mannthu Padmanabhan with the generous help of Shri. P. M. Tirumulpad.

DEPARTMENT OF CHEMISTRY

Objectives

Dissemination of knowledge in the discipline of Chemistry to the science-loving young minds and to guide them towards the higher arena of chemistry for a successful social life

Vision: Chemistry for the well-being of society.

Mission: The Department of Chemistry envisages to

- Produce excellent and dynamic graduates concerned with the sustainability of the environment,
- Advance the principles and practices of chemistry for the betterment of society.
- Promote discipline, learning, and responsibility.
- To cultivate organizational skills through teamwork, collaboration and co-operation

B.Sc. Chemistry main course was commenced in the year 1969 under the headship of Shri. K. Ayyappan Nair with mathematics and physics as subsidiary subjects. The annual intake for B.Sc. Chemistry is 32. The department aims in imparting best education to students along with their personality development by strong interaction between students and teachers. A strong, committed team of teachers with utmost sincerity and reputation leads the academic activities of the department. Faculty members are constantly undertake research projects and actively engaged in frontier research areas of chemistry. A chemistry club is functioning in the department for improve the literary talents, organization skills and public interaction of the students. The club conducts talks and classes in different fields of chemistry and regularly

publishes newsletter, science files and manuscripts. Club also conducts projects and extension works related to chemistry. The old students of the department are well placed in various institutions, industries, Universities and in other reputed firms. The old students association “Carbon” actively involves in the growth and development of the department.

I. Faculty profile

Sl. No.	Name	Designation	Areas of interest	Experience in years	Significant achievements
1	Dr. Sindhu Ramachandran C.V.	HOD & Associate Professor	Synthetic organic chemistry	26	Publications: 4
2	Smt. Smitha M.	Assistant Professor	Polymer Science Polymer Membranes	12	Publication 1
3	Dr. Yamuna K.M.	Assistant Professor	Supramolecular Chemistry, Environmental Chemistry	9	Publications 18 UGC Raman PDF, FLAIR Membership
4	Mr. Vineeth M.	Assistant Professor	Nanomaterials	8	Publications 2
6	Sreelekha T.S.	Adhoc		9	

Lab Assistant: Mrs. Safeera,K

II. Students' Profile

Third year B.Sc. Chemistry

Sl No	Name	Reg No.	Category	Admission No	Second Language
1	Shamna Sharin P.V.	MNAVSCH001	Open	6324	Arabic
2	Dawlath K.	MNAVSCH002	Open	6287	Hindi
3	Gowry Padmanabhan	MNAVSCH003	Open	6357	Hindi
4	Hanna Raheema K.K.	MNAVSCH004	Open	6336	Hindi
5	Nimisha P.V.	MNAVSCH005	SC		Hindi
6	Noora Rasha K.K.	MNAVSCH006	Open	6388	Hindi
7	Rifana M.K.	MNAVSCH007	Open	6340	Hindi
8	Risvana Minnu P.	MNAVSCH008	Open	6571	Hindi
9	Shemina M.K.	MNAVSCH009	Open	6416	Hindi
10	Abhijith P.	MNAVSCH010	SC	6186	Hindi
11	Akanth K.	MNAVSCH011	Open		Hindi
12	Pranav Krishnan K.	MNAVSCH012	MQ	6408	Hindi
13	Adheena E.	MNAVSCH013	SC	6237	Malayalam
14	Adithya Anand K.	MNAVSCH014	Open	6394	Malayalam
15	Amrutha M.	MNAVSCH015	SC	6204	Malayalam
16	Anjana P.T.	MNAVSCH016	Community	6374	Malayalam
17	Anju C.	MNAVSCH017	Open		Malayalam
18	Archana	MNAVSCH018	Community	6371	Malayalam
19	Ardra Palakkolil	MNAVSCH019	Open	6359	Malayalam
20	Gopika Rajeev A.	MNAVSCH020	Open	6327	Malayalam
21	Jyothika Prakash E.	MNAVSCH022	Community		Malayalam
22	Abhijith V.	MNAVSCH024	Open	6217	Malayalam
23	Nidhin T.V.	MNAVSCH025	MQ		Malayalam
24	Athul Krishna M.K.	MNAVSCH026	Open		Sanskrit
25	Shahana Sherin	MNAVSCH027	Open	6630	Arabic
26	Nandana K.	MNAVSCH028	Open		Hindi
27	Fathima Rasha	MNAVSCH029	Open	6630	Malayalam

Second year B.Sc. Chemistry

SI No	Name	Category	Adm. No	Gender	Second Language
101	Afnida K K	Open	7016	Female	Arabic
102	Burhanudheen K	Open	6943	Male	Arabic
103	Fasil P P	Open	6876	Male	Arabic
104	Fathima Lubna C P	Open	6871	Female	Arabic
105	Fathima Rasna C P	Open	6942	Female	Arabic
106	Mohammed Thufail T	Open	6725	Male	Arabic
107	Muhammed Sanal P K	Open	6927	Male	Arabic
108	Munshida K	Open	6944	Female	Arabic
109	Raniya P	Open	7018	Female	Arabic
110	Sayyid Ibrahim Uwais	Open	6659	Male	Arabic
111	Sayyid Muhammed Nawaz	Open	6658	Male	Arabic
112	Anand A	Open	6633	Male	Hindi
113	Aparna A	Community	6698	Female	Hindi
114	Rinsha T	Open	6739	Female	Hindi
115	Dilfa P	Open	6918	Female	Malayalam
116	Adithya K	Community	6925	Female	Malayalam
117	Agasthya C	Open	7034	Female	Malayalam
118	Aiswarya K	Sc	6702	Female	Malayalam
119	Ajay N	Sc	6989	Male	Malayalam
120	Akhila Vinod	Community	6681	Female	Malayalam
121	Akshay N	St	6990	Male	Malayalam
122	Anjana Kc	Sc	6901	Female	Malayalam
123	Arya A	Sc	6704	Female	Malayalam
124	Hidha Mol K	Open	6874	Female	Malayalam
125	Jisna A	Open	6671	Female	Malayalam
126	Sandra Nalin T V	Sc	6660	Female	Malayalam
127	Sidharth K	Sc	6602	Male	Malayalam
128	Sisira V	Management	6959	Female	Malayalam
129	Vismaya T	Community	7040	Female	Malayalam
130	Ajisha V T	Open	6998	Female	Sanskrit
131	Daya K	St	7002	Female	Sanskrit
132	Gowri P B	Management	7026	Female	Sanskrit

I year B.Sc. CHEMISTRY

No	CAPID	Name	Category	Adm. No.	Second Language
101.	CAP23UG524132	HANEENAP.	OPEN	7227	Arabic
102.	CAP23UG50S319	SHAHFA K.	OPEN	7439	Arabic
103.	CAP23UG525363	SWANIF SALIM	MANAGEMENT	7476	Arabic
104.	CAP23UG503535	THANSIHA K.T.	OPEN	7357	Arabic
105.	CAP23UG605372	ABHISHEK P.	OPEN	7187	Hindi
106.	CAP23UG555618	AJNA RAFA N.	OPEN	7346	Hindi
107.	CAP23UG5S8208	LENAK.T.	OPEN	7354	Hindi
108.	CAP23UG595842	MUHAMMED JOUHAR K.	COMMUNITY	7471	Hindi
109.	CAP23UG545855	SONA K. P.	MANAGEMENT	7490	Hindi
110.	CAP23UG539949	AKHILA P.K.	SC	7080	Malayalam
111.	CAP23UG569248	ANANDU KRISHNAN O.	SC	7071	Malayalam
112.	CAP23UG539056	ARCHANA T.	OPEN	7376	Malayalam
113.	CAP23UG564920	ISHAM RIBUM.P.	SPORTS	7396	Malayalam
114.	CAP23UG520265	JYOTHIKA T.K.	OPEN	7183	Malayalam
115.	CAP23UG504163	KARTHIKA R.	MANAGEMENT	7275	Malayalam
116.	CAP23UG557177	MUHAMMED NIHAL K.	OPEN	7342	Malayalam
117.	CAP23UG578294	NANDANA P.	COMMUNITY	7398	Malayalam
118.	CAP23UG586784	NAVAL K.	MANAGEMENT	7480	Malayalam
119.	CAP23UG506588	RINSHA T.P.	OPEN	7105	Malayalam
120.	CAP23UG582235	SHIJILA K.	OPEN	7103	Malayalam
121.	CAP23UG531648	VARSHA M.	OPEN	7214	Malayalam
122.	CAP23UG604316	VISMAYA M.	SC	7075	Malayalam
123.	CAP23UG505700	ARJUNRAJ M.K.	OPEN	7057	Sanskrit
124.	CAP23UG591531	MAHESHM.	OPEN	7188	Sanskrit
125.	CAP23UG569640	UTHARA C.	OPEN	7056	Sanskrit

Result analysis 2020-23

1	Total number of students	34
2	Total number of students appeared for examination	33
3	Number of drop-out students	1
4	Total number of girls appeared	21
5	Total number of boys appeared	12
6	Total number of students passed	29
7	Total number of students awaiting results	Nil
8	Total number of students with supplementary	4
9	Total number of girls passed	21
10	Total number of boys passed	8
11	Total pass percentage	87.88
12	Pass percentage of girls	100
13	Pass percentage of boys	66.67

Progression to higher studies

SI No	Reg No.	Name	Mark %	Progression	Institute
1	MNAUSCH 001	ASNU FARISA E.K.	91.17	JAM Coaching	Shyvind's Institute Kozhikode
2	MNAUSCH 004	JAMSHIYA M.	94.83	M.Sc. Chemistry	St.Joseph College Devagiri Kozhikode
3	MNAUSCH 005	SANA P.	88.67	M.Sc. Chemistry	Mercy College Palakkad
4	MNAUSCH 006	SHAMNA V.M.	88.75	B.Ed.	SCTE Areacode
5	MNAUSCH 008	AKHILA K.	71.00	JAM	Shyvind's Institute

				Coaching	Kozhikode
6	MNAUSCH 009	MAYA MOHAN C.	87.33	M.Sc. Chemistry	M.G. University Kottayam
7	MNAUSCH 010	NANDANA K.S.	78.17	PSC Coaching	
8	MNAUSCH 011	SHAHANA SHERIN	88.75	M.Sc. Chemistry	MES College Mampad
9	MNAUSCH 013	K. RAHUL	68.83	SSC Coaching	Veranda Race Kozhikode
10	MNAUSCH 014	MAANAV C.	65.33	Bank Coaching	Veranda Race Kozhikode
11	MNAUSCH 015	AKSHAYA V.	76.67	JAM Coaching	Shyvind's Institute Kozhikode
12	MNAUSCH 016	ARCHANA P.A.	78.75	PSC Coaching	Ace Manjeri
13	MNAUSCH 017	DEVIKA C.K.	88.50	JAM Coaching	PW IIT JAM online coaching
14	MNAUSCH 018	GANGA A.	80.00	Bank Coaching	Veranda Race Kozhikode
15	MNAUSCH 019	GEETHU P.	96.17	M.Sc. Chemistry	Calicut University
16	MNAUSCH 020	GOPIKA K.	62.58	PSC Coaching	
17	MNAUSCH 021	HIMA A.	77.33	IAS Coaching	
18	MNAUSCH 022	NANDANA M.L.	70.00	Pharm D	KTN College of Pharmacy Cherppulassery
19	MNAUSCH 023	NEETHU P.	95.42	PSC Coaching	
20	MNAUSCH 024	RAKHI C.	79.75	PSC Coaching	
21	MNAUSCH 025	RESHMA RAJ P.C.	71.17	M.Sc. Chemistry	M.G. University Kottayam
22	MNAUSCH 026	RINSHA V.	77.00	JAM Coaching	Shyvind's Institute Kozhikode
23	MNAUSCH 027	VAISHNAVI	92.25	JAM Coaching	Benzil super 30 Kozhikode
24	MNAUSCH 028	ABHIJITH K.	57.33	PSC Coaching	Ace Manjeri
25	MNAUSCH 029	ABHIRAM K.	67.00	UPSC Coaching	ilearn IAS Academy Trivandrum
26	MNAUSCH 031	GOPUDAS P.	81.67	PSC Coaching	
27	MNAUSCH 032	HARIKRISHNAN M.P.	68.75	PSC Coaching	

28	MNAUSCH 035	SEBIN THOMAS	81.25	IAS Coaching	Kerala State Civil Service Academy, Palakkad
29	MNAUSCH 036	VISHNU M.K.	69.58	PSC Coaching	

III. Co-curricular activities

Organized by the Department

1. Merit Day Celebration 2023-24

The Department of Chemistry, N.S.S. College Manjeri celebrates Merit Day each year to reward exceptional students for their achievements in both their academic and extracurricular activities. The Merit Day for the academic year 2023-24 was held on 25/7/23,. The welcome address was given by Mr. Vineeth M., the program coordinator. Dr.Sindhu Ramachandran., HOD, Dept. of Chemistry, presided over the ceremony. Mrs Neetha P.C., Principal of N.S.S. College Manjeri, inaugurated the program and addressed the students with a message of inspiration. Both Ms. Geethu P. (University of Calicut 5th rank holder) Neethu P (8th rank) and Ms. Devika C.K (J.A.M Qualifier) received recognition and financial rewards. In addition, Ms. Hanna Raheema KK., a third-year student, was awarded cash prize for being topper in semester examination.. Mrs. Sreelekha T.S. (Guest Faculty, Dept. of Chemistry) has extended the vote of thanks. Students from the Department of Chemistry have participated in the program.



DEPARTMENT OF
CHEMISTRY
NSS COLLEGE MANJERI
In association with IQAC

MERIT DAY 2K23



Geethu P.
5th Rank
Calicut University



Neethu P.
8th Rank
Calicut University

On 25/07/23
@ Room No -21
NSS College Manjeri



Devika C.K.
AIR 1474
JAM 2023



Hanna Raheema K.K.
First Year Class topper



Organized by Chemistry Association

1. Association inauguration by Rijin .K (Assistant Prof. Majlis Arts and Science College, Puramannur) on 23/02/2024. Ms. Smitha M . (HoD) has presided the event in which Mrs. Neetha P.C (Principal, NSS College Manjeri) has delivered special address. Archana (Secretary, Chemistry Association) has delivered welcome address and Ms. Anju P has delivered vote of thanks.

Organized by Chemistry Club

Chemistry Club 'Vanillin' is a students' collective wherein students are the office-bearers and organisers of various activities. Mr Sidharth, Ms. Rinsha.T and Mr. Ajay.N. were elected as the Secretary, Jt. Secretary and Treasurer, respectively. Dr. Sindhu Ramachandran. was elected as the teacher-in charge and has served as the teacher co-ordinator for all the activities. The following activities were undertaken by 'Vanillin', in the year 2023-24

1. Environment day observance

A. Paper bag making in the college on 5/6/23

B. Setting of vegetable garden at Anganvadi center No. 52 College Kunnu Manjeri. on 8/7/23



2. Ozone Day celebration:

The World Ozone Day was celebrated on 16/9/23

Caption writing competition: A caption writing competition was conducted in which the prize was won by Hanna Raheema (Second year B.Sc. Chemistry).

3. National Science Day celebration: The national science day was celebrated with college level quiz competition. Ridha Hanan and Fathimma Janna English department won first prize .



4. Onam and Christmas Celebrations: We have celebrated the festivities on Onam on 21/08/2023 and Christmas on 22/12/2023, co-ordinated by the chemistry club.



5. Farewell to Final year class: This was conducted on 23/02/2024.

6. One day workshop on Mexican folk art on 15/3/24



7. Spending a day with Physically challenged students of With School Manjeri on 21/3/24



IV. Faculty development programmes attended by teachers

Name of faculty	Name of FDP/ Refresher course	Period	Centre	Mode
Vineeth, M	6th Refresher Course in Material Science	02.08.2023 to 16.08.2023	UGC-HRDC University of Calicut	Hybrid

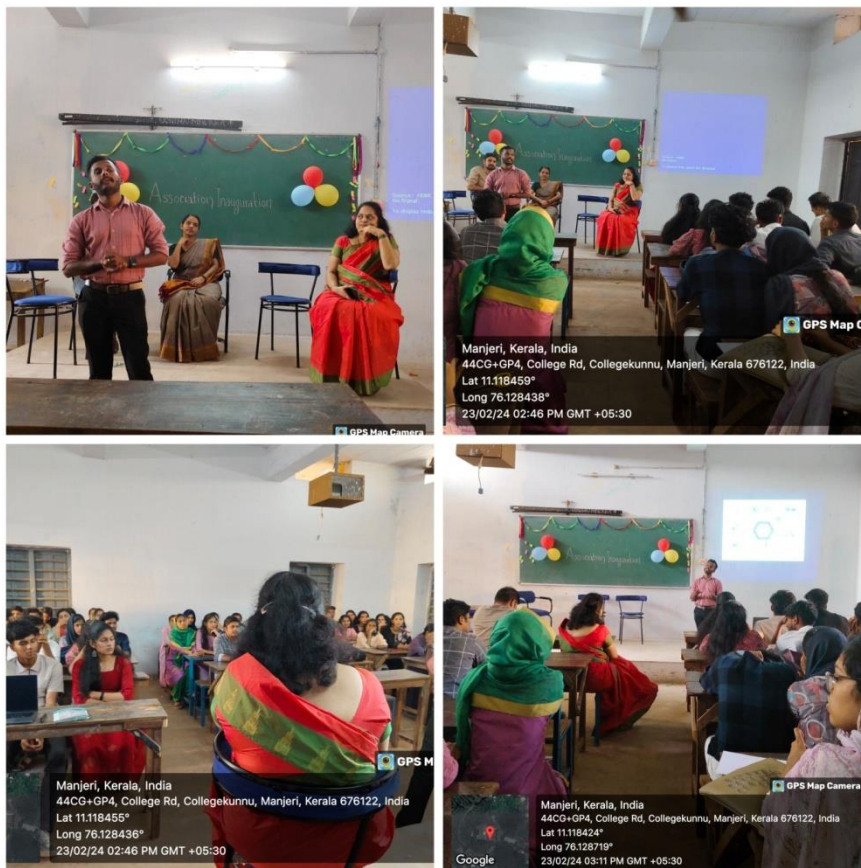
V. Students' Achievements

- Ms. Geethu P 5th Rank Holder, Calicut University

- Ms. Neethu P 8th Rank Holder, Calicut University
- Ms. Devika.C.K Jam Qualifier 2023

VI. Alumni Lecture

Association inauguration by Rijin .K (Assistant Prof. Majlis Arts and Science College, Puramannur) on 23/02/2024.



VII. STUDY TOUR

On December 6 to 9 2023 , the Department of Chemistry, N.S.S. College Manjeri has conducted an industrial visit for the Sixth Semester Students to the Rainbow Pipes factory in the Manipal Industrial Area of Karnataka's Udupi District. The basic objective of the visit is to demonstrate actual working on the machine and process for manufacturing PVC. A total of 27 final-year students and faculty members, including Mr. Vineeth M. and Dr.Yamuna K,M

visited the industry. Unit chief, who welcomed the visitors and gave an explanation of the production line, assembly line, and testing facility,.

