

**POST GRADUATE DEPARTMENT OF CHEMISTRY
K A H M UNITY WOMEN'S COLLEGE, MANJERI
ANNUAL REPORT 2019-'20**

STAFF

There are four permanent teachers, five guest lecturers and two non-teaching staff in the department.

Permanent Faculty

Sl. No.	Name	Qualifications	Present position
1	Dr. Muhammed Basheer Ummathur	M.Sc., B.Ed., Ph.D.	Associate Professor and Head
2	Dr. P. Jyothi	M.Sc., Ph.D.	Associate Professor
3	Dr. Deepa K	M.Sc., B.Ed., M.Phil., Ph.D.	Assistant Professor
4	Mrs. Suhada KM	M.Sc.	Assistant Professor

Guest Faculty

Sl. No.	Name	Duration
1	Mrs. Shabana K	06-06-2019 to 31-03-2020
2	Dr. Anees Rahman	06-06-2019 to 31-03-2020
3	Dr. Divya T	01-07-2019 to 29-02-2020
4	Mrs. Haritha AK	17-06-2019 to 29-02-2020
5	Mrs. Najeera PC	24-06-2019 to 31-03-2020

Non-Teaching Staff

Sl. No.	Name
1	Mr. Mohamed Ali Kanniyan
2	Mr. Moideen kutty AP

INVOLVEMENT IN CURRICULUM DESIGN: UNIVERSITY LEVEL

Dr. Muhammed Basheer Ummathur

- Member of the Board of Studies (UG & PG) in B. Sc. & M. Sc. Chemistry of Farook College (Autonomous).
- Chairman, CMV Camp, I Sem UG November 2018.
- Subject expert in the steering and evaluation committee nominated by the University of Calicut for the placement and promotion of Assistant Professors. Attended the evaluation committee meeting at DGM MES Mampad College (autonomous) for the promotion of

Mrs. Jeemol A on 24th July 2019. Also attended the evaluation committee meeting at Farook College (autonomous) for the promotion of Dr. Kavitha on 18th December 2019.

Dr. P. Jyothi

- Member of the Board of Studies (UG) in B. Sc. Chemistry of University of Calicut.
- Member of the Board of Studies (UG & PG) in B. Sc. & M. Sc. Chemistry of DGM MES Mampad College (Autonomous). Attended the BoS meeting on 11.06.2020, 14.02.2020.

SEMINARS ORGANIZED

PG Department of Chemistry funded by PTA of our college conducted a State level Seminar on “**Novel Trends in Chemistry for Environmental Sustainability**” on **4th and 5th February 2020**. Dr. P. Jyothi was the Coordinator of the Programme. The external Resource persons were **Dr. Raveendran and Dr. Renuka**, *Department of Chemistry, University of Calicut*. PG students of our college; PSMO College, Tirurangadi; Majlis Arts & Science college, Puramannur and DGM MES Mampad College attended the seminar. Dr. Muhammed Basheer Ummathur, Dr. Deepa K and Mrs. Suhada KM also handled sessions in the seminar.

RESOURCE PERSONS IN SEMINARS

Dr. Muhammed Basheer Ummathur

- “Greener Approaches in Organic Synthesis” in the State level Seminar on “Novel Trends in Chemistry for Environmental Sustainability” conducted by PG Department of Chemistry of our college funded by PTA on 4th and 5th February 2020.

Dr. Deepa K

- “Nanochemistry in Water purification” in the State level Seminar on “Novel Trends in Chemistry for Environmental Sustainability” conducted by PG Department of Chemistry of our college funded by PTA on 4th and 5th February 2020.

Mrs. Suhada KM

- “Microplastic pollution in water and soil” in the State level Seminar on “Novel Trends in Chemistry for Environmental Sustainability” conducted by PG Department of Chemistry of our college funded by PTA on 4th and 5th February 2020.

PARTICIPATION IN SEMINARS

All the staff members participated in the following classes/seminars.

- 6th January 2020: Class on “Techniques and Strategies for Post Millennial education” organized by IQAC, KAHM Unity Women’s College, Manjeri.
- 4th and 5th February 2020: State level Seminar on “Novel Trends in Chemistry for Environmental Sustainability” organized by PG department of Chemistry, KAHM Unity Women’s College, Manjeri.

Dr. P. Jyothi

- 14th January 2020: Attended the Regional Seminar on “An Organic Start to 2020” organized by PG department of Chemistry, PSMO College, Tirurangadi.

Mrs. Haritha AK

- 3rd to 5th July 2019: Attended the three day Training Programme on “Preparation of Household Goods from Rubber Latex” organized by Common Facility Centre, Payyanad.

Dr. Divya T

- 3rd to 5th July 2019: Attended the three day Training Programme on “Preparation of Household Goods from Rubber Latex” organized by Common Facility Centre, Payyanad.

BOOKS WITH ISBN

The Department published one book with ISBN under Unity College Publications. Another book with ISBN was also published under PG Department of Chemistry.

<i>Sl. No.</i>	<i>Name of Book, ISBN, Month and Year of Publishing, Publisher</i>	<i>Authors</i>
1	Proceedings of the National Seminar on Medicinal Chemistry , ISBN 978-93-5279-420-1, August 2019; published by PG Department of Chemistry, KAHM Unity Women’s College, Manjeri.	Dr. Muhammed Basheer Ummathur Mrs. Suhada K M
2	Selected Topics in Environmental Science , ISBN: 978-93-5396-526-6, January 2020; published by Unity College Publications, KAHM Unity Women’s College, Manjeri.	Dr. C. Saidalavi Dr. Muhammed Basheer Ummathur Dr. Deepa K

CHAPTERS IN EDITED BOOKS BY FACULTY

The following faculty members published chapters in the book “**Proceedings of the National Seminar on Medicinal Chemistry**”, ISBN 978-93-5279-420-1, August 2019 published by PG Department of Chemistry, KAHM Unity Women’s College, Manjeri.

<i>Sl. No.</i>	<i>Title</i>	<i>Page No.</i>
1.	Phytotoxic Effect of Heavy Metal Ions on the Root Nodule Formation and Plant Growth of <i>Vigna unguiculata</i> ; Muhammed Basheer Ummathur	28
2.	Corrosion Inhibition of Mild Steel in Sulphuric Acid Solution by the Extract of <i>Lawsonia inermis</i> ; Suhada K M	82
3.	Synthesis of Sophorolipids using Organically Synthesized Carboxylic Acid and their Application in Synthesis of Silver Nanoparticles; Shabana K	110
4.	Study of the Impact of Municipal Solid Waste Dumping on Some Soil Parameters Nearer to Vettekcode Solid Waste Landfill Site in Manjeri Municipality; Deepa K	114

The following faculty members published chapters in the book “**Selected Topics in Environmental Science**”, ISBN: 978-93-5396-526-6, January 2020, published by Unity College Publications, KAHM Unity Women’s College, Manjeri.

Sl. No.	Title	Page No.
1.	Physicochemical Analysis of Well Waters in Manjeri Municipality; Dr. Muhammed Basheer Ummathur	5
2.	Interaction of Nanoparticles on the Environment and Pollution from Nano Materials; Mrs. Shabana K	14
3.	Automobile Exhausts Impact on Environment-Remedial Steps to Remove Harmfull Contaminants From Exhausts- The Role of Three Way Catalytic Systems; Dr. Divya T	27
4.	Carbon Dioxide: The Hero and the Villain; Dr. Muhammed Basheer Ummathur	32
5.	Radioactive Waste: An Overview; Mrs. Haritha A K	37
6.	Physicochemical Treatment of Waste Water; Mrs. Najeera P C	42
7.	Microplastic Pollution in Water and Soil; Mrs. Suhada K M	46
8.	Acid Deposition: An Environmental Issue; Mrs. Shabana K	51
9.	Save Our Xaviour; Dr. Jyothi P	56
10.	Heavy Metal Contamination in Soil: Effects, Sources and Remediation Techniques; Dr. Deepa K	74
11.	Impact of Agrochemical Use In Agriculture: Their Benefits and Hazards; Dr. Anees Rahman K N	88

CHAPTERS IN EDITED BOOKS BY ALUMNI

The following alumni members published chapters in the book “**Proceedings of the National Seminar on Medicinal Chemistry**”, ISBN 978-93-5279-420-1, August 2019 published by PG Department of Chemistry, KAHM Unity Women’s College, Manjeri.

Sl. No.	Title	Page No.
1.	Phytotoxic Effect of Heavy Metal ions on the Root Nodule Formation and Plant Growth of <i>Vigna unguiculata</i> ; Ramees Jebin Paravakkal	28
2.	Influence of Nanoclay and Graft Copolymer on Thermo-Mechanical Performance of Fiber Reinforced Poly (Lactic Acid) Biocomposites; Sajna V P	47
3.	Study On Aromas Transfer Through Eva-Cellulose Blend Polymer; Smitha M	65

The following alumni member published chapters in the book “**Selected Topics in Environmental Science**”, ISBN: 978-93-5396-526-6, January 2020, published by Unity College Publications, KAHM Unity Women’s College, Manjeri.

Sl. No.	Title	Page No.
1.	Applications Of Eco-Friendly Polymeric Materials, Mrs. Smitha M	92

ORIENTATION COURSE

Mrs. Suhada KM attended the Orientation Course conducted by IISER, Pune from 1st to 25th May 2019.

COLLEGE LEVEL ACADEMIC AND CO-CARRICULAR ACTIVITIES

Dr. Muhammed Basher Ummathur

- HoD Chemistry
- Assistant Chief of Calicut University Examinations
- Controller of CBCSS Internal Examinations
- Member of the UGC Project Cell
- Member of the College Discipline Committee
- Member of the College Staff Council
- Member of RUSSA

Dr. P. Jyothi

- Member of Staff Club executive Committee
- Staff Editor of College Magazine

Dr. Deepa K

- Warden of College hostel

Mrs. Suhada KM

- DQAC Coordinator
- Science Club Coordinator

EXTENSION ACTIVITIES

1. Celebration of 150th Year of Periodic Table

The Department conducted **Celebration of 150th Year of Periodic Table** on **6th January 2020**. Mrs. Suhada KM was the Coordinator of the Programme. Quiz Competition and puzzles related to Periodic Table were conducted.

2. National Science Day Celebrations

The Department conducted **National Science Day Celebrations** on **25th February 2020** under the financial assistance of **KSCSTE Trivandrum**. Mrs. Suhada KM was the Coordinator of the Programme. **Dr. Yamuna, Assistant Professor, Department of Chemistry, NSS college, Manjeri** was the Resource person and delivered a talk on **“Women in Science”**. An Elocution Competition was also conducted on the topic **“Why Scientific Temper should be inculcated in our Society”**.

3. Sanitizer Preparation and Distribution

In view of the spread of Corona virus all over the World, the department prepared **hand sanitizers** in the Chemistry lab and distributed to the Principal, College office, Canteen, Library, College Hostel and to various other departments on **19th March 2020**. The sanitizers were handed

over to the Committee of Masjidul Mujahideen at Patterkulam on **21st March 2020**. The department members made **an awareness class to the people in the mosque** and distributed the sanitizers after the Friday Juma prayer.

Dr. Muhammed Basheer Ummathur

- Question paper setter of various autonomous colleges.
- Scrutinized the question papers of various autonomous colleges.

Dr. P. Jyothi

- Question paper setter of various autonomous colleges.
- Scrutinized the question papers of various autonomous colleges.
- Valued the answer scripts of various autonomous colleges.

Dr. Deepa K

- Valued the answer scripts of various autonomous colleges.
- **Project report**

Mrs. Suhada KM

- Valued the answer scripts of various autonomous colleges.

Mr. Muhammed Ali Kanniyan

- **District Trainer, Malappuram; Kerala State Haj committee.**
- **Secretary, Manjeri CH Centre of Charity & Paleative Care.**
- **Secretary, Al Huda English School, Patterkulam**
- **State General Secretary, Kerala Aided College Ministerial Staff Association.**
- **Mandalam Secretary, Samstha Kerala Muslim Employees Association.**
- **PTA Vice President, Govt. College, Malappuram.**

Mr. Moideen Kutty AP

- **Municipal Treasurer, Samstha Kerala Muslim Employees Association.**

RESEARCH PUBLICATIONS

Sl. No.	Name of Paper	Issue, Year, Page No.	Name of Journal
1	Assessment of drinking water quality and ammonia contamination- A case Study; Dr. Deepa K	6(3), 2019, 31-37	Journal of Applied Science and Computations ISSN No. 1076-5131
2	Corrosion inhibition of mild steel in sulphuric acid solution by the extract of <i>Lawsonia inermis</i> ; Mrs. Suhada KM	6(3), 2019, 17-23	Journal of Applied Science and Computations ISSN No. 1076-5131
3	Synthesis and characterization of sophorolipid capped silver nanoparticles; Mrs. Suhada KM	6(3), 2019, 24-30	Journal of Applied Science and Computations

			ISSN No. 1076-5131
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UNIVERSITY EXAMINATION RESULTS

B. Sc. Chemistry 2017-'20

Number of students							Pass %
Appeared	Passed	A+	A	B	C	Failed	
39	37	4	18	9	6	2	94.9

M. Sc. Chemistry 2018-'20

Number of students							Pass %
Appeared	Passed	A+	A	B+	B	Failed	
11	9	-	-	7	2	2	81.81

CLASS TOPPERS

Batch	Name	CGPA & Grade	% of Marks
2017-'20 (UG)	Sreelakshmi A	5.66, A+	93.20
2018-'20 (PG)	Fida P	3.34, B+	83.50

TRAINING PROGRAMME ATTENDED BY STUDENTS

Sl. No.	Topic	Students attended	Organizing institution	Period
1	Training Programme on Processing of Rubber	V Sem UG & III Sem PG students	Common Facility Centre, Rubber Board, Payyanad	3 rd to 5 th July 2019

SEMINARS ATTENDED BY STUDENTS

Sl. No.	Topic	Students attended	Organizing institution	Period
1	National Seminar on "Conceptual Understanding of Quantum Mechanics"	I Sem PG	PG Department of Chemistry, Malabar Christian College, Calicut	19 th August 2019
2	National Seminar and workshop on "Drug Design and Computational Chemistry"	II & IV Sem PG	PG Department of Chemistry, Majlis Arts & Science College, Puramannur	19 th & 20 th December 2019
3	Regional Seminar on "An Organic start to 2020"	IV Sem PG	PG Department of Chemistry, PSMO College, Tirurangadi	14 th January 2020
4	State Level Space Exhibition	II & IV Sem	ISRO Thiruvananthapuram	17 th January

		UG	& GBHS School, Manjeri	2020
5	Interactive Session with Dr. Ajmal Koya, NIT, Misoram	All UG & PG	PG Department of Chemistry, KAHM Unity Women's College, Manjeri	21 st January 2020
6	National Science Day Celebrations	All UG & PG	PG Department of Chemistry, KAHM Unity Women's College, Manjeri	25 th February 2020

TUTORIAL SYSTEM

Batch	Class Tutor
B. Sc	
I & II Sem	Mr. Anees Rahman KA
III & IV Sem	Dr. Deepa K
V & VI Sem	Mrs. Suhada KM
M. Sc	
I & II Sem	Mrs. Shabana K
III & IV Sem	Dr. Jyothi P

ASSOCIATION PROGRAMME

The Chemistry Association was inaugurated on 13th November 2019 by Mrs. Smitha M, Assistant Professor, NSS College, Manjeri & our alumni and delivered a talk on "Polymer Membranes". The department conducted group discussions, cultural activities, debates and classes by faculty members of various departments as a part of the Association Programme.

INTER-DEPARTMENTAL ACTIVITIES

OPEN COURSE

The Department offers Environmental Chemistry as the Open Course to the UG students of other departments.

STUDY TOUR & FACTORY VISIT

As the part of B.Sc. curriculum, Department conducted a study tour for the B.Sc. final year students to **Travancore Cochin Chemicals, Ernakulam** on 15th, 16th & 17th January 2020. Dr. Muhammed Basheer Ummathur, Mrs. Suhada KM and Mr. Mohamed Ali Kanniyan accompanied the students. The team also visited Ramakkalmedu and Vagamon.

CERTIFICATE COURSE

The Department conducted a certificate course in "Household Products from Rubber Latex" for the final B. Sc. Chemistry students in collaboration with Common Facility Centre, Rubber Board, Payyanad. 39 students from V Sem UG and 12 students from III Sem PG attended the Training Programme from 3rd to 5th July 2019 at Common Facility Centre and completed their Certificate course. Dr. Divya T and Mrs. Haritha AK accompanied the students.

INFRASTRUCTURE

The department received the following infrastructure facilities during this academic year.

1. A desktop computer for conducting Computational Chemistry Practical for the PG students.
2. An LCD Projector in the PG class.

FINE ARTS ACTIVITIES

First year students:

<i>Name</i>	<i>Item</i>	<i>Prize</i>
Shaniba. P	Arabic essay writing, Arabic elocution, Arabic poem writing, Folk dance (group), Oppana	1 st
	Arabic story writing	2 nd
Riza	Patriotic song	1 st
	Mappila song (group)	3 rd
	Karaoke	2 nd
Shibla	Western Music group, English skit, Patriotic song	1 st
	Malayalam drama, Nadan Pattu, Margam kali	2 nd
	Debate (off stage)	3 rd
Shamla	Rangoli (off stage)	3 rd
Salma	Debate English	3 rd
Jamshiya	Debate English	3 rd
Surya. C	Margam kali, Kadha prasangam	3 rd
Aarathi	Thiruvathira	3 rd
Nidha Fathima. TP	Patriotic song, Light music	2 nd
	Oppana, Group Song	3 rd
Fathima Husna. KP	Oppana	3 rd
	Patriotic song	1 st
	Mappila Pattu , NadanPattu, Arabic group song	2 nd
Murshida. C	Oppana	3 rd
	Patriotic song	1 st
	Mappila Pattu, Arabic group song	2 nd
Hiba sherin. A	Western group song	3 rd

Second year students:

<i>Name</i>	<i>Item</i>	<i>Prize</i>
Shaima. TP	English drama , English skit	2 nd
	Malayalam drama, Mappila Patt (group)	1 st
Najma farsana. A	English drama, English skit, Indian group song	2 nd
Sneha	Malayalam poem writing	2 nd
Shahanas	Folk dance	3 rd
Aysha izza	Folk dance	2 nd

Jinsha mol	Malayalam elocution	2 nd
	Malayalam drama	3 rd
Archana	Hindi poem writing	1 st

STUDENT LEADERSHIP IN COLLEGE UNION

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Position</i>
2019-'20	Fathima Izza	III Sem B. Sc. Chemistry	General Captain
	Shaima TP	III Sem B. Sc. Chemistry	Association Secretary

PARTICIPATION IN NCC

NCC is one of the World's largest youth organizations where a person is trained on ground of discipline and leadership. The Moto of NCC is "UNITY AND DISCIPLINE". A person enrolled in this prestigious organization as a cadet and learns some of the basic Military skills.

<i>Sl. No.</i>	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>
1	Shaniba P	Archana K	Drisy P
2	Surya C	Drishya	Shameena Mushthari
3	Shiblu P	Hiba P	Nafeesathul Nadha
4	Arathi	HibaRafeeque M K	Fathima Rinsha
5	Rasha Jabin	Basila T	Aleena K S
6		Jeslin C K	Brijitha
7			Danisha
8			Aswathy C

ACTIVITIES:

Blood donation on December 5th; Republic Day Parade, Swach bharath procession, Visit to Special Public School at Manjeri on 22.11.19, Tree plantation on World Environment Day. All the NCC cadets attended the CAT Camp at West hill, Calicut.

ACHIEVEMENTS

Two first year students were selected in the next level of firing competition.

WOMEN CELL

Gandhi Jayanthi celebration (Elocution competition: Modern Definition of Leadership)

1. First – Jamsheena Yasmin (1st year BSc Chemistry)
2. Second - Dilsha k (2nd year BSc Chemistry)
3. Third – Shamla P (2nd Sem)

PARTICIPATION IN NSS

National Service Scheme aimed at developing personality through community service. Students from chemistry department has an appreciating participation and voluntary association in college NSS.

<u>First Year students</u>	<u>Second Year Students</u>
1. Jabin Shabanu PK 2. Rashida CN 3. Kanya E	1. Shaima TP 2. Fathima Shifna KP 3. Fathima Suhdiya P

4. Suhaila	4. Sahma Sirin TP
5. Basila Shirin C	5. Hisana P
6. Fathima Husna KP	6. Najma Farsana A
7. Jaseela Kodakkadan	7. Hasna M
8. Najiya K	8. Shahanas PP
9. Shamla M	9. Aysha Izza
10. Aadhila	10. Sneha K
11. Murshida C	11. Jinu K Saleem
12. Adila Parveen CK	12. Jinsha Mol P
13. Devika M	13. Maneesha Nasrin

Activities

Students of second year B. Sc. Chemistry attended 7 days special camp at G.U.P. School, Veembur. Ms. Jinsha Mol. P was selected as the best camper. Ms. Aysha Izza from second year B. Sc. Chemistry had selected for 10 days `Bharat Yathra`. First year BSc. Chemistry got a chance in Student Initiation in Palliative (SIP). First year B. Sc. Chemistry students got a chance in palliative home care visit

PARTICIPATION IN SPORTS

First year Bsc chemistry

<i>Name</i>	<i>Item</i>	<i>Prize</i>
1. Aysha shahma. V	100 m	1 st
	200 m	1 st
	Long Jump	1 st
	High Jump	1 st
2. Shibilu. P	Football	1 st
3. Devika .M	Lemon & spoon	3 rd

Second year Bsc Chemistry

<i>Name</i>	<i>Item</i>	<i>Prize</i>
1. Aysha Hiza.	Tug of war	1 st
	Lemon & spoon	1 st
	Netball	District 3 rd
2. Basila.T	High Jump	3 rd
	4*100 m Relay	1 st
	100 m	3 rd
3. Fathima Shifna.KP	Lemon & spoon	2 nd
4. Shaima .TP	Tug of war	2 nd
5. Najma Farsana.	Tug of war	2 nd

SPECIAL ACHIEVEMENTS

Dilsha K of 2nd year B. Sc. Chemistry Participated in the interaction with Malappuram district collector conducted by All India Radio, Manjeri Akashavani on 21st January 2020. The programme was broadcasted over Akashavani Manjeri FM on 25th January 2020 at 11 am and on 2nd February 2020 at 11 am.

Dilsha K of 2nd year B. Sc. Chemistry Also the winner in the district level round of federal bank speak for India competition.

SCHOLARSHIPS AVAILED

B. Sc. CHEMISTRY (2017-2020)

SI. No.	STUDENT NAME	NAME OF SCHOLARSHIP	AMOUNT
1	FATHIMA HISANA P	CH MOHAMMED KOYA MUSLIM GIRLS	5000
2	JUBNA C	CH MOHAMMED KOYA MUSLIM GIRLS	5000
3	JUBNA C	POSTMETRIC	8000
4	RANIYA K T	CH MOHAMMED KOYA MUSLIM GIRLS	5000
5	RANIYA K T	POSTMETRIC	8000
6	RESMIN M	CH MOHAMMED KOYA MUSLIM GIRLS	5000
7	RINSHA K	CH MOHAMMED KOYA MUSLIM GIRLS	5000
8	RINSHA K	POSTMETRIC	8000
9	SHAHANA THASNI V	CH MOHAMMED KOYA MUSLIM GIRLS	5000
10	SHAMNA K	CH MOHAMMED KOYA MUSLIM GIRLS	5000
11	THWOHANI P	CH MOHAMMED KOYA MUSLIM GIRLS	5000
12	THWOHANI P	POSTMETRIC	8000
13	DRISYA K	CENTAL SECTOR SCHOLARSHIP	10000
14	HARITHA H VARIAR	CENTAL SECTOR SCHOLARSHIP	10000
15	NAFEESATHUL NADHA V	CH MOHAMMED KOYA MUSLIM GIRLS	5000
16	NAJIYA NASHRI C	CH MOHAMMED KOYA MUSLIM GIRLS	5000
17	SHAHNA SHERIN K	CH MOHAMMED KOYA MUSLIM GIRLS	5000
18	SHAHNA SHERIN K	CENTRAL SECTOR	10000
19	SREELAKSHMY A	PRATHIBHA SCHOLARSHIP	12000

WALK WITH SCHOLAR

The programme aims to empower the achieving students to reach higher by providing them mentorship. The students are followed two levels of mentoring- internal as well as external to enable them to gain the best in education. It also attempts to recalibrate their talents and potentials.

Second year BSc chemistry	First year BSc chemistry
<u>Members</u> Shaima TP Fathima Shifna KP Salva Bishri M Sahma Sirin TP Safna MP Jafna Binu MP Shaima PT Amnasana K Fathimathul Rinsana OP Jinsha Mol P Najma Farsana A	<u>Members</u> Dilruba Fathima Jabin Shabanu Najah Rashida C N Shiblu Suhaila <u>Internal mentor</u> Dr. Jyothi P (Department of chemistry) <u>Activities</u> External and Internal mentoring sessions

Maneesha Nasrin A Internal Mentors Mr. Sabeer V (Department of Physics) Ms. Suhada K M (Department of chemistry) Activities External and Internal mentoring sessions Motivational visit to Indian Institute of Science and Indian Institute of Management Bangalore on 14 th & 15 th February 2020. It was a great opportunity for the mentees to interact with the scientists and research scholars in various branches of chemistry.	
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PEER GROUPS

After the first internal examination, the students are made into different groups, each group with students of different IQ levels. The student with high mark is assigned as the leader and group discussions are conducted in the tutorial hour. After the second internal examination the student with high mark in the same group is considered as the new leader through which a competitive atmosphere is created in the learning process.

2019-20

Group Leader	Group Members
Sreelakshmi A	Fathima Rinsha PC, Thwohani P, Safna VP, Unnimaya O
Drisya K	Nashwa VP, Aleena KS, Brijitha K
Resmin M	Shamila P, Haritha H Warriar, Nida T, Dhanisha T
Nafeesathul Nadha V	Shameela Sherin, Fathima Haffa AP, Asma Afeefa P, Sreelakshmi Sreenivas
Aysha Nasla N	Raniya KT, Shahana Thasni V, Aswathy C, Sharafiyya MK
Ayisha Sana AP	Nabeela P, Fidha Shirin K, Sreebisha A, Ashoora Binth CT
Jubna C	Jaza Nourin AP, Sameera KC, Ummu Hafeefa K
Farsana Thasneem P	Ayisha Jumana T, Safa K, Fathima Hisana P
Rinsha K	Hasna Sherin, Shameena Musthari P, Rinsha K, Jasla C

UG PROJECTS

2019-20

Supervisor	Group Members
Dr. Muhammed Basheer Ummathur	Sreelakshmi A, Fathima Rinsha PC, Thwohani P, Safna VP, Unnimaya O
Quality Assessment on Selected Commercial Soaps	
Dr. P. Jyothi	Drisya K, Nashwa VP, Aleena KS, Brijitha K
Anticorrosion Studies of Some Nitrogen Containing Heterocyclic Compounds	
Dr. Deepa K	Resmin M, Shamila P, Haritha H Warriar, Nida T, Dhanisha T
A Study of the influence of Hospital Waste Water on Ground Water	
Mrs. Suhada KM	Nafeesathul Nadha V, Shameela Sherin, Fathima Haffa AP, Asma Afeefa P, Sreelakshmi Sreenivas

- Alumni Merit-cum-means scholarships of Rs. 1200/- each distributed to financially backward students with good academic record. Arathi T P (Ist year B. Sc. Chemistry); Silpa Narayanankutty (IInd year B. Sc. Chemistry); Resmin M (IIIrd Year B. Sc. Chemistry); Saheera Thoran (Ist year M.Sc. Chemistry); Fasalul Farisa T (IInd year B. Sc. Chemistry). The prizes were sponsored by Mrs. Sidheekha (2001-2004), now working as a Research Scholar at University of Calicut.
- Interactive sessions were carried on 31st December 2019 with (1) Dr. Jamsheena (2008-2011), Ph. D. from NIIST, Trivandrum (2) Ms. Jarsha Jaleel (2016-2019), who qualified IIT-JAM and now studying M. Sc. Chemistry at NIT, Jalandhar, Punjab, to motivate the students for higher studies.

PROGRESSION TO HIGHER EDUCATION (2016-19 Batch)

UG to PG

Sl. No.	Name of student	Name of institution
1	Anshiba P	KAHM Unity Women's College, Manjeri
2	Saheera Thoran	KAHM Unity Women's College, Manjeri
3	Raniya Abdurahiman	KAHM Unity Women's College, Manjeri
4	Nishath Beegum	KAHM Unity Women's College, Manjeri
5	Fidha N	DGM MES Mampad College
6	Jamsheeda K	DGM MES Mampad College
7	Shabeeba Sherin	CUSAT, Cochin
8	Jarsha Jaleel	NIT, jalandhar, Punjab
9	Vaishnavi	MG University, thiruvananthapuram
10	Slviya	MSW at Jai Bharath College, Perumbavoor
11	Fabi Nujoom	MA Women Studies at University of Calicut

UG to B. Ed

Sl. No.	Name of student	Name of institution
1	Hisana Athimannil	B. Ed. Training College, Malappuram
2	Safoora	EMES College, Kondotty
3	Jaleesa	B. Ed. Centre, Cherani, Manjeri
4	Nishba	Majmah B. Ed. Centre, Kavanur
5	Fitha Kamal	TTI, Sevamandir, Ramanattukara

UG to PSC Coaching

Sl. No.	Name of student	Name of institution
1	Jasfainsa	ACE PSC Coaching Centre, Manjeri
2	Afeeda	ACE PSC Coaching Centre, Manjeri

3	Hiba KP	ACE PSC Coaching Centre, Manjeri
4	Fathima Anjoom	ACE PSC Coaching Centre, Manjeri
5	Shafna	ACE PSC Coaching Centre, Manjeri

UG to Other courses

Sl. No.	Name of student	Name of institution
1	Shilpa	D. Pharm. at Crescent College, Kannur
2	Sreshna	D. Pharm. at Crescent College, Kannur

PG to PSC Coaching

Sl. No.	Name of student	Name of institution
1	Dhanya	Tirur
2	Fathima	Tirur
3	Rohini	Mannarghat
4	Zihana	Calicut
5	Sanam	Malappuram
6	Husna	Valanchery

PG to Other courses

Sl. No.	Name of student	Name of institution
1	Afeefa	B. Ed. at Sullamussalam College, Areacode
2	Faseela P	B. Ed. at EMEA College, Kondotty