

**POST GRADUATE DEPARTMENT OF CHEMISTRY  
K A H M UNITY WOMEN'S COLLEGE, MANJERI  
ANNUAL REPORT 2022-'23**

**STAFF**

There are eight permanent teachers, one guest lecturer 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.	Principal
2	Dr. P. Jyothi	M.Sc., Ph.D.	Associate Professor and Head
3	Dr. Deepa K	M.Sc., B.Ed., M.Phil., Ph.D.	Assistant Professor
4	Mrs. Suhada KM	M.Sc.	Assistant Professor
5	Dr. Jamsheena V	M.Sc., Ph.D.	Assistant Professor
6	Dr. Jasna VC	M.Sc., Ph.D.	Assistant Professor
7	Dr. Thasneem P	M.Sc., Ph.D.	Assistant Professor
8	Dr. Shamsheera KO	M.Sc., Ph.D.	Assistant Professor

**Guest Faculty**

Sl. No.	Name	Duration
1.	Mrs. Najeera PC	12.09.2022 to 31.03.2023

**Non-Teaching Staff**

Sl. No.	Name
1	Mr. Moideen Kutty AP
2	Mr. Abdul Nasar TM

**INVOLVEMENT IN CURRICULUM DESIGN: UNIVERSITY LEVEL**

**Dr. Muhammed Basheer Ummathur**

- Principal
- Member of the Board of Studies (UG & PG) in B. Sc. & M. Sc. Chemistry of Farook College (Autonomous).

**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).
- Chairperson of the I Semester (UG) CV Camp-Malappuram Zone, University of Calicut, Nov. 2020.

- Chairperson of the II Semester (UG )CV Camp-Malappuram Zone, University of Calicut, April 2021.
- Chairperson of the I Semester (PG ) CV Camp-Malappuram Zone, University of Calicut, Nov. 2021.
- Chairperson of the II Semester (PG ) CV Camp-Malappuram Zone, University of Calicut, April. 2022.
- Chairperson of the I Semester (UG ) CV Camp-Malappuram Zone, University of Calicut, Nov. 2021.
- Chairperson of the II Sem PG Practical Examination-Malappuram Zone, University of Calicut, April 2022.
- Subject expert for the selection of Govt. guest faculty in Chemistry at NSS College Manjeri.

## **SEMINARS/WEBINARS ORGANIZED**

### **International Seminar**

PG Department of Chemistry in Association with Kerala State Higher Education Council, conducted an International Seminar on “Frontiers in Chemical Research” on 18<sup>th</sup> January 2023. Dr. Jamsheena V and Mrs. Suhada KM were the coordinators of the Programme. The webinar was inaugurated by Prof. PN Abdurahiman. Former Principal, KAHM Unity Women’s College, Manjeri. The external Resource persons were

- Dr. Anokh K Nair, Senior Scientist I, Biodura Sundia, Taiwan  
and
- Dr.Kala Kannan kutty Industrial Post Doctoral Research Fellow, Dept. of Chemical Engineering, National Tsing Hua University, Taiwan.

PG students, Research Scholars and Faculty members of the Chemistry Department of various colleges attended the webinar.

### **Regional Seminar**

- Department conducted a “Regional Seminar on Solid Waste Management” on 26<sup>th</sup> August 2022. Mr. Ashfak Ahamed, Director, Green Dale Agro Park was the resource person.
- Department conducted a seminar on “35 Years of Healing” in connection with Ozone Day celebration on 16<sup>th</sup> September 2022. Dr. Mehar Al Minnath Asst. Professor, MES Mampad College was the resource Person and Ms. Suhada K M was the coordinator of the Programme.
- Department conducted a Seminar on Newly Emerging Issues in Water Pollution on 31<sup>st</sup> October 2022. Mr. Sajeesh A K , Quality Manager, Quality Control District District Laboratory Wyanad was the Resource Person and Dr. Deepa K was the coordinator of the Coordinator.

## Webinars

- The Department in collaboration with the Department of Physics conducted an International Webinar on “Watching Polaritons on the fly” on 2<sup>nd</sup> September 2022. Dr. Balasubrahmanya Post Doctoral Fellow, School of Physical Chemistry, Tel Aviv University Israel was the resource person.
- The Department in association with Science Club conducted An International Webinar on “A General Approach to Project Report Writing” on 28<sup>th</sup> November 2022. Mr. Fredi Francis C Research Scholar National TsingHua University, Taiwan was the Resource Person. Ms. Suhada KM was the Coordinator of the programme.

## Career guidance and Orientation programme

- Orientation and Career Guidance programme was conducted on 9<sup>th</sup> January 2023 for UG students. Mr. Ramshad K, Research Scholar, IIT Madras was the Resource person. Dr. Shamsheera K O was the co-ordinator
- Career Guidance programme was conducted on 21<sup>st</sup> February 2023 for UG and PG students. Dr. Muhammed Yoosuf, Assistant Professor, PG and Research Department of Chemistry, Farook College was the Resource person. Dr. Shamsheera K O was the co-ordinator

## RESOURCE PERSON IN SEMINARS/WEBINARS

### Dr. Jyothi P.

<i>Sl. No.</i>	<i>Webinar/ Seminar</i>	<i>Theme/Title</i>	<i>Organizing Institution</i>	<i>Period</i>
1.	Seminar	Chemistry and Poetry	PSMO College Thirurangadi	10th February 2023.

### Dr. Deepa K

<i>Sl. No.</i>	<i>Webinar/ Seminar</i>	<i>Theme/Title</i>	<i>Organizing Institution</i>	<i>Period</i>
1.	Add-on Course	Introduction to Computational Methods	Govt. College, Malappuram	14th December 2023.

### Dr. Shamsheera K O

<i>Sl. No.</i>	<i>Seminar</i>	<i>Theme/Title</i>	<i>Organizing Institution</i>	<i>Period</i>
1.	Workshop	Workshop on Gaussian Software	Govt College Malappuram	24th January 2023.

## PAPER PRESENTATION IN SEMINAR/WEBINAR

- Dr. Deepa K presented a paper entitled “Influence of Traffic on Contamination of roadside Soil” in the National Conference on Emerging Frontiers in Chemical Sciences **EFCS-2022** conducted by Postgraduate and Research Department of Chemistry, Farook College, Farook, 19-20, 2023.
- Mrs. Suhada K.M., Assistant Professor, Department of Chemistry presented a on the

topic ‘Microplastics: New generation pollutants’ in the two day international Seminar on ‘Innovations in Chemical Research’, ICR-2023 conducted by PG Department of Chemistry, Majlis Arts and Science College, Puramannur in collaboration with KSHEC on 4 th January 2023.

- Mrs. Suhada K.M., Assistant Professor, Department of Chemistry participated and given a oral presentation in the International Seminar on ‘Frontiers in Chemical Research’ organized by Department of Chemistry, KAHM Unity Women’s College, Manjeri 18<sup>th</sup> January 2023.
- Mrs. Suhada K.M., Assistant Professor, Department of Chemistry participated and given a poster in the National Seminar on ‘Frontiers in Chemical Sciences’ (FCS 2023) organized by Department of Chemistry, University of Calicut during 1-3 February 2023.
- Dr. Shamsheera K O Presented a paper entitled “Inhibitory effect of guar gum and synergistic ionic surfactant additives for mild steel corrosion in 0.5 M HCl” and won first position EXCELSIOR AWARD in the National Conference RICERCA 2022, organized by IQAC and Research Committee, St. Joseph’s College for women, Alappuzha, Kerala in association with KSSP. IIC, CSIR & IMMT during **28-09-2022 to 01-10-2022**

### **PARTICIPATION IN SEMINARS/WEBINARS**

All the staff members participated in the following webinars.

<i>Sl. No.</i>	<i>Webinar/ Seminar</i>	<i>Theme/Title</i>	<i>Organizing Institution</i>	<i>Period</i>
1.	International Seminar	Frontiers in Chemical research	PG Department of Chemistry, KAHM Unity Women’s College, Manjeri	18 <sup>th</sup> January 2023.
2.	National Seminar	Transformational Role of NEP 2020 in Higher Education.	IQAC, KAHM Unity Women’s College, Manjeri	24 <sup>th</sup> February 2023
3	Seminar	Newly emerging issues in water pollution	PG Department of Chemistry, KAHM Unity Women’s College, Manjeri	31 <sup>st</sup> October 2022
4	Webinar	A general approach to project report writing	PG Department of Chemistry and Science club, KAHM Unity Women’s College, Manjeri	28 <sup>th</sup> November 2022
5.	FDP	Moodle Based Learning Management System and Course Design	The Kerala State Higher Education Council	13-17 <sup>th</sup> March 2023

#### **Dr. Jyothi P**

<i>Sl. No.</i>	<i>Webinar/ Seminar</i>	<i>Theme/Title</i>	<i>Organizing Institution</i>	<i>Period</i>
1	National Seminar	How to design an Add-on course	IQAC, Al Shifa College of Arts and Science, Perinthalmanna	04-08-2022

#### **Dr. Deepa K**

<i>Sl. No.</i>	<i>Webinar/ Seminar</i>	<i>Theme/Title</i>	<i>Organizing Institution</i>	<i>Period</i>
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1	National Seminar	Emerging Frontiers in Chemical Sciences <b>EFCS-2022</b>	Postgraduate and Research Department of Chemistry, Farook College, Farook, 19-20,2023	January 19-20,2023
2	Seminar	Newly emerging issues in water pollution	PG Department of Chemistry, KAHM Unity Women's College, Manjeri	31 <sup>st</sup> October 2022

### **Mrs. Suhada KM**

<i>Sl. No.</i>	<i>Webinar/ Seminar</i>	<i>Theme/Title</i>	<i>Organizing Institution</i>	<i>Period</i>
1	Seminar	Newly emerging issues in water pollution	PG Department of Chemistry, KAHM Unity Women's College, Manjeri	31 <sup>st</sup> October 2022
2	Webinar	A general approach to project report writing	PG Department of Chemistry and Science club, KAHM Unity Women's College, Manjeri	28 <sup>th</sup> November 2022
3	Seminar	'Innovations in Chemical Research', ICR-2023	PG Department of Chemistry, Majlis Arts and Science College, Puramannur in collaboration with KSHEC	4 <sup>th</sup> January 2023
4	Seminar	'Frontiers in Chemical Research'	Department of Chemistry, KAHM Unity Women's College in collaboration with KSHEC	18 <sup>th</sup> January 2023
5	Seminar	Frontiers in Chemical Sciences' (FCS 2023)	Department of Chemistry, University of Calicut	1-3 February 2023.

### **Dr. Jamsheena V**

<i>Sl. No.</i>	<i>Webinar/ Seminar/ Industrial Visit</i>	<i>Theme/Title</i>	<i>Organizing Institution</i>	<i>Period</i>
1	<b>Industrial Visit</b>	Training on plastic processing	CIPET Palakkad	17 <sup>th</sup> February 2023

### **Dr. Shamseera KO**

<i>Sl. No.</i>	<i>Webinar/ Seminar</i>	<i>Theme/Title</i>	<i>Organizing Institution</i>	<i>Period</i>
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1	National Conference	RICERCA	IQAC and Research Committee, St. Joseph's College for women, Alappuzha	28-09-2022 to 01-10-2022
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### **Mrs. Najeera PC**

<i>Sl. No.</i>	<i>Webinar/ Seminar</i>	<i>Theme/Title</i>	<i>Organizing Institution</i>	<i>Period</i>
1.	International Seminar	Innovations in Chemical Research ICR 2020-23	Majliz Arts & Science College.Puramannur	05th January 2023.

### **Participation in Faculty Induction Programme /Refresher course**

- Mrs. Suhada K.M., Assistant Professor, Department of Chemistry participated one week short term course on 'Academic Research writing' from 02/01/2023 to 08/01/2023 at Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of PMMMMNMTT.
- Mrs. Suhada K.M., Assistant Professor, Department of Chemistry participated one week short term course on 'Research Methodology-Science' from 19/01/2023 to 25/01/2023 at Kannur University.
- Dr. Shamsheera K O, Assistant Professor, Department of Chemistry participated in the Faculty Induction Programme conducted by UGC-HRDC , University of Calicut from 16/11/2022 to 15/12/2022
- Dr. Jamsheena V, Assistant Professor, Department of Chemistry participated in the Faculty Induction Programme conducted by UGC-HRDC , University of Kannur from 22/11/2022 to 21/12/2022
- Dr. Jasna V C, Assistant Professor, Department of Chemistry participated in the Faculty Induction Programme conducted by UGC-HRDC , University of Calicut from 08/02/2023 to 09/03/2023

### **MoUs and COLLABORATIONS**

The Department has one MoU as detailed below.

- Mr. Shan, Assistant Director, Common Facility Centre, Rubber Board, Payyanad, Malappuram (DT), Kerala.
- Vytal Aqua Water Analysis Lab,Manjeri.
- Research Department of Chemistry, Farook College, Kozhikode.
- Green Dale Agro Park ,Manjeri.
- Mr. Sajeesh AK,Quality Manager,Quality Control District Laboratory,Wyanad.
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### **COLLEGE LEVEL ACADEMIC AND CO-CARRICULAR ACTIVITIES**

**Dr. Muhammed Basher Ummathur**

Principal

**Dr.Jyothi P**

- HoD Chemistry
- Member of the Purchase Committee
- Member of the College Staff Council
- Member of IQAC
- Member Time Table and Accommodation Committee.

**Dr. Deepa K**

- Student Welfare Dean
- Purchase Committee Member
- Antinarcotic Cell Member
- Internal Complaint Committee Member
- Cell Against Sexual Harassment Member.

**Mrs. Suhada KM**

- Science Club Coordinator
- Department Alumni Coordinator

**Dr. Jasna VC**

- NSS Programme Officer
- Coordinator, Red Ribbon Club

**Dr. Thasnim P**

- Music Club Coordinator
- Fine Arts Director

**Dr. Jamsheena V**

- DQAC Co-ordinator
- Science Club Joint Coordinator
- Staff Club executive Member
- Unity College Alumni Association (UCAA) Secretary

**Dr. Shamsheera KO**

- CUSSP Coordinator
- Red Ribbon Club Joint Coordinator

**EXTENSION ACTIVITIES**

**1. World Environment Day Celebrations**

The Department in association with Science Club conducted World Environment Day Celebrations on 6<sup>th</sup> June 2022. Ms.Suhada KM was the Coordinator of the Programme. **Dr.Litty**

**Sebastian,Assistant Professor,Bharath Matha College Muvattupuzha** was the Resource person and delivered a talk on “Revival of the Earth ... It is in Our Hand”.

## **2. National Science Day Celebrations**

The Department conducted National Science Day Celebrations on 2<sup>nd</sup> March 2023. Mrs. Suhada KM was the Coordinator of the Programme. Pamphlet making Competition on Water Conservation and energy conservation was conducted. A two minutes talk competition on “Global Science for Global Wellbeing” also was conducted.

## **3. Mole Day Celebration**

As a part of International Mole Day Celebration, a Quiz competition was conducted in the Department. Dr. Thasnim P was the coordinator of the programme.

## **4. van der Waals day Celebration**

The Department celebrated van der Waals day in association with the Dept. of Physics. Dr. Jyothi P gave an introduction about van der Waal and his major contributions .A video on his life was also played.

## **5.National Energy Conservation Day**

The Department organized a Discussion on “Strategies for Energy Conservation” as a part of National Science Day Celebration.Dr, Jyothi P was the coordinator of the programme.

## **6. Community Outreach Programmes**

- The Department organized a Community Outreach Programme on Hands on Training in Preparation and Effective Marketing of Hand Wash for the people of the nearby colony.Dr. Thasnim P was the coordinator.
- The Department organized a Community Outreach Programme on “Paristhithiyum Jalasthithiyum” for the public at Narukara School. . Dr. Jasna V C was the coordinator.
- The department has conducted a programme as a part of CUSSP in which students collected dresses and cloth masks and handed over to the people of nearby colony. Dr. Shamseera K O was the coordinator.

## **7. Papier Programme**

- The department initiated a programme for collecting used papers for recycling. Dr. Deepa K was the coordinator of the programme.

### **Extension Activities of Faculty Members**

#### **Dr. P. Jyothi**

- Inaugurated the Association activities of the Dept. of Chemistry PSMO College Thirurangadi and delivered a talk on Chemistry and Poetry.
- Valued the answer scripts of various autonomous colleges and conducted Practical Examinations.
- Attended the Selection Committee Meeting for the promotion of Dr Sr Beena Jose, Vimala College Trichur under CAS from Assistant Professor to Associate professor.

#### **Dr. Thasnim P**



- Valued the answer scripts of various autonomous colleges.

**Mrs. Suhada KM**

- Valued the answer scripts of various autonomous colleges.

**Dr. Deepa K**

- Valued the answer scripts of various autonomous colleges
- Question paper setter for various autonomous colleges.

**RESEARCH PUBLICATIONS**

**Dr. Muhammed Basheer Ummathur**

<i>Sl. No.</i>	<i>Name of Paper/Chapter</i>	<i>Name of Journal/Book</i>	<i>ISSN/ISBN</i>	<i>Issue, Year, Page</i>
1	Estimation of oxalic acid in some fruits and vegetables	Novel Areas of Chemical Research	978-93-5701-222-5	2023, Page no. 4

**Dr. Jyothi P**

<i>Sl. No.</i>	<i>Name of Chapter</i>	<i>Name of Book</i>	<i>ISBN</i>	<i>Issue, Year, Page</i>
1	Noise Pollution-Causes, Effects, Assessment & Remedies	Novel Areas of Chemical Research	978-93-5701-222-5	2023, Page no. 9
2	History of Antibiotics	Fundamental Applications of Biochemistry in Environment	978-93-5737-783-6	

**Dr. Deepa K**

<i>Sl. No.</i>	<i>Name of Chapter</i>	<i>Name of Book</i>	<i>ISBN</i>	<i>Issue, Year, Page</i>
1	Applications OF Cu Doped ZnO nanoparticles	Novel Areas of Chemical Research	978-93-5701-222-5	2023, Page no. 15
2	Metal Complex DNA Interactions	Fundamental Applications of Biochemistry in Environment	978-93-5737-783-6	

**Mrs. Suhada K.M**

<i>Sl. No.</i>	<i>Name of Chapter</i>	<i>Name of Book</i>	<i>ISBN</i>	<i>Issue, Year, Page</i>
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1	What happens to microplastics in soil and water	Novel Areas of Chemical Research	978-93-5701-222-5	2023, Page no. 20
2	Effect of Allelochemical on digestive and biomolecules of rice weevil: <i>Sitophilus oryzae</i>	Fundamental Applications of Biochemistry in Environment	978-93-5737-783-6	

**Dr. Jasna V C**

<i>Sl. No.</i>	<i>Name of Chapter</i>	<i>Name of Book</i>	<i>ISBN</i>	<i>Issue, Year, Page</i>
1	Novel Areas of Polymer Research	Novel Areas of Chemical Research	978-93-5701-222-5	2023, Page no. 53
2	Biomedical Applications of Polymers	Fundamental Applications of Biochemistry in Environment	978-93-5737-783-6	

**Dr. Jamsheena V**

<i>Sl. No.</i>	<i>Name of the chapter/Paper</i>	<i>Name of Journal / Book</i>	<i>q</i>	<i>Issue, Year, Page</i>
1	Multicomponent reactions for the synthesis of complex molecules	Novel Areas of Chemical Research	978-93-5701-222-5	
2	Diindolylmethane as a potent Anticancer agent	Fundamental Applications of Biochemistry in Environment	978-93-5737-783-6	
3	Studies on the mode of action of synthetic diindolylmethane derivatives against triple negative breast cancer cells.	<i>Basic &amp; Clinical Pharmacology &amp; Toxicology</i> <b>2022</b>	1742784 3, 1742783 5	<b>2022</b>

**Dr. Shamsheera K O**

<i>Sl. No.</i>	<i>Name of Paper</i>	<i>Name of Journal/Book</i>	<i>ISSN</i>	<i>Issue, Year, Page</i>
1	Weed to nano seeds: Ultrasonic assisted one-pot fabrication of superparamagnetic magnetite nano adsorbents from Siam weed flower extract for the removal of lead from water	Journal of Hazardous Materials Advances	1873-3336	8, 2022, 100163
2	A facile one-pot synthesis of phyto-conjugate superparamagnetic magnetite nanoparticles for the rapid removal of hexavalent chromium from water bodies	Materials Research Bulletin	1873-4227	160,2023, 112130
3	Strategies to prevent corrosion	Novel Areas of Chemical Research	978-93-5701-222-5	29,2023
4	Carbohydrates as Corrosion Inhibitors	Fundamental Applications of Biochemistry in Environment	978-93-5737-783-6	

**Dr. Thasnim P**

<i>Sl. No.</i>	<i>Name of the chapter</i>	<i>Name of Book</i>	<i>ISBN</i>	<i>Issue, Year, Page</i>
3	Scaffold decorated 1,2,3-triazoles as potential anticancer agents	Novel Areas of Chemical Research	978-93-5701-222-5	42,2023
4	Indole-a promising scaffold in Biochemistry	Fundamental Applications of Biochemistry in Environment	978-93-5737-783-6	

**Mrs. Najeera PC**

<i>Sl. No.</i>	<i>Name of Chapter</i>	<i>Name of Book</i>	<i>ISBN</i>	<i>Issue, Year, Page</i>
1	Mesoporous Materials	Novel Areas of Chemical Research	978-93-5701-222-5	

## UNIVERSITY EXAMINATION RESULTS

### B. Sc. Chemistry 2019-'22

		Number of students						Pass %
Appeared	Passed	A+	A	B+	B	C	Failed	
46	41	14	20	4	1	-	5	89.13

### M. Sc. Chemistry 2020-'22

		Number of students					Pass %
Appeared	Passed	O	A+	A	B	Failed	
20	15	1	13	1	-	5	75

## CLASS TOPPERS

Batch	Name	CGPA & Grade	% of Marks
UG 2019-'22	Dhilruba Fathima	9.2, A+	92
PG 2020-'22	Resmin	4.27, O grade	85.40

## STUDENT QUALITY ASSURANCE CELL

Student Quality Assurance Cell (SQAC) is constituted for the efficient implementation of Teaching Learning process. The members include HoD DQAC coordinator and two students from each class.. The first meeting of the committee was held on 1<sup>st</sup> June 2023. HoD has made an awareness session to the class leaders of second year UG, third year UG and 2<sup>nd</sup> year PG classes. The second meeting of the Committee was carried out on 13<sup>th</sup> December 202 after nominating the class representatives of first year UG and PG classes. The members of the SQAC are the following.

1.	Dr.Jyothi P	:	HoD
2.	Dr. Jamsheena V	:	DQAC coordinator
3.	Parvathi&Omniah	:	1 <sup>st</sup> year UG
4.	Safna Mubashira&Rinsha	:	2 <sup>nd</sup> year UG
5.	Thamanna& Saleekha	:	3 <sup>rd</sup> year UG
6.	Thamanna& Adhila Parveen	:	1 <sup>st</sup> year PG
7.	Risla &Laeka	:	2 <sup>nd</sup> year PG

## TRAINING PROGRAMME ATTENDED BY STUDENTS

Sl. No.	Topic	Students attended	Organizing institution	Period
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1	Training Programme on Plastic Processing.	VI Sem UG	CEPET Palakkad	17 <sup>th</sup> February 2023.
2	UG Project	VI Sem UG	Common Facility Centre, Rubber Board, Payyanad. Vytal Aqua Water Analysis Lab, Manjeri	31 <sup>st</sup> October to 4 <sup>th</sup> November 2022.
3	Training Programme on Chicken Waste Management	I Year and II year PG	Green Dale AgroPark, Manjeri.	14 <sup>th</sup> December 2022.

## TUTORIAL SYSTEM

Batch	Class Tutor
<b>B. Sc</b>	
I & II Sem	Dr. Jamsheena V
III & IV Sem	Dr. Thasnim P
V & VI Sem	Dr. Shamseera KO
<b>M. Sc</b>	
I & II Sem	Dr. Jasna VC
III & IV Sem	Dr. Deepa K

## INTER-DEPARTMENTAL ACTIVITIES

### OPEN COURSE

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

### CERTIFICATE COURSE

The Department conducted six certificate courses during this academic year.

- Hands on Training in Software Tools for Scientific Graphing and Molecular Modelling:** The course was conducted for the final year B. Sc. and M. Sc. Chemistry students. 55 students successfully completed the Certificate course. Dr. Shamsheera KO was the coordinator of the course.
- Hands on Training in Polymer Processing:** The course was conducted for students in various disciplines. 48 students successfully completed the Certificate course. Dr. Jasna V.C was the coordinator of the course.
- Structural Elucidation Using Molecular Spectroscopy:** The course was conducted for Final UG students of our college. 47 students successfully completed the Certificate course. Dr. Jamsheena V was the coordinator of the course.
- Preparation and Effective Marketing of Hand Wash:** The course was conducted for the UG students of various departments of our college. 34 students successfully completed the Certificate course. Dr. Thasnim P was the coordinator of the course.
- Molecular Visualisation Softwares:** The course was conducted for the final year UG and PG Chemistry students. 57 students successfully completed the Certificate course. Dr. Shamsheera k O was the coordinator of the course.
- Green Methods for an Evergreen Earth:** The course was conducted for the UG students of various departments of our college. 48 students successfully completed the Certificate course. Dr. Jasna VC was the coordinator of the course.

## **INFRASTRUCTURE**

Department, Final UG classroom, PG classrooms, store room and Laboratories are now functioning in the new Science block. Construction of the first floor of the Science block is completed and the PG classes will be shifted to the class rooms in the first floor. The existing PG class rooms will be used as Research scholar's room as the Department is upgraded as Research Department.

## **SPECIAL ACHIEVEMENTS**

- Dr. Shamseera KO **won first position EXCELSIOR AWARD in the** National Conference RICERCA 2022, organized by IQAC and Research Committee, St. Joseph's College for women, Alappuzha, Kerala in association with KSSP. IIC, CSIR & IMMT during **28-09-2022 to 01-10-2022**
- Ms. Farsana Thasnim of 2020-22 M.Sc. Batch Qualified JRF in Chemistry.
- Ms. Irfana N K of II nd Year Chemistry won the Zonal level Competition of Speak for India Inter Collegiate Debate Competition.

## **ALUMNI**

1. Excellence award to Farsna Thasneem by PG Deptment of Chemistry and ALCHEM unity
2. Alumni award distribution to University /class toppers
  - First year B.Sc. Chemistry Topper-Dilsha K.
  - Second year B.Sc. Chemistry Topper-Shifa C.K.
  - Third year B.Sc. Chemistry Topper-Dilruba
  - First year M.Sc. Chemistry Topper- Sinsina
  - Second year M.Sc. Chemistry Topper- Jasla
3. Department Meritorious Award Distribution
  - Farsana Thasneem P.-JRF Holder (B.Sc. 2017-2020 and M.Sc. 2020-2022 Batches)
  - Fathimathunnaseeha- Second year B.Sc. Chemistry Student
4. Educare Freeship Distribution
  - Thamanna- Third year B.Sc. Chemistry Student
  - Resmin- Second year M.Sc. Chemistry Student
5. **Talks by Alumni were organized every month (Alumni Lecture series) as a part of the 30<sup>th</sup> Anniversary Celebrations of the College.**

●Sixth Lecture on 'Alumni Lecture Series' was held on 28 th June 2022 conducted by PG Department of Chemistry, KAHM Unity Women's College, Manjeri on the auspicious occasion of '30 th Anniversary Celebrations'. This lecture was conducted through online platform-google meet at 7.15 pm. The main guest of the event was Mrs. Nusrath P., Assistant Professor, PG Department of Chemistry, MES Kalladi college, Mannarkad and Former student of our college in the batch 1999-2002..

●7 th lecture of Alumni lecture series was held on 29 July 2022. The lecture started at sharp 7:30 pm using online platform google meet. The talk was about 'Career opportunities after B.Sc. and M.Sc. Chemistry by Dr. Sajna V. P, Assistant Professor., PG Department of Chemistry, PSMO College, Thirurangadi.

●The8th Talk in the 'Alumni Lecture Series' was held on 13 th August 2022 conducted by PG Department of Chemistry, KAHM Unity Women's College, Manjeri on the auspicious occasion of '30 th Anniversary Celebrations'. This lecture was conducted through online platform-google meet at 7.15 pm. The main guest of the event was Mrs. Fathima Haffa, pursuing M.Sc.

Forensic science at Anglia Ruskin university Cambridge and Former student of our college in the batch 2017-2020.

- Nineth Lecture on ‘Alumni Lecture Series’ was held on 24 th September 2022 conducted by PG Department of Chemistry, KAHM Unity Women’s College, Manjeri on the auspicious occasion of ‘30 th Anniversary Celebrations’. This lecture was conducted through online platform- google meet at 2.00 pm. The main guest of the event was Dr Sreejalpakshmi PV, Post- doctoral fellow, aquaculture research group, moredu Research Institute Scotland UK.She is a former student of our department in the batch 1998-2001

- 10 th Lecture on ‘Alumni Lecture Series’ was held on 28 th October 2022 conducted by PG Department of Chemistry, KAHM Unity Women’s College, Manjeri on the auspicious occasion of ‘30 th Anniversary Celebrations’. This lecture was conducted through offline mode held at seminar hall at 11. 20 am. The main guest of the event was Ms. Jasheela P.M., Director, Talent Plus and Former student of our college in the batch 2008 -2011.

- 11th Lecture on ‘Alumni Lecture Series’ was held on 24th November 2022 conducted by PG Department of Chemistry, KAHM Unity Women’s College, Manjeri on the auspicious occasion of ‘30 th Anniversary Celebrations’. This lecture was conducted through offline mode held at a/c seminar hall at 2.00pm. The main guest of the event was Farsana Thasneem P JRF holder in her first attempt and Former student of our college (B.Sc. Chemistry 2017-2020 and M.Sc. Chemistry 2020-2022 Batch).

- 12<sup>th</sup> Lecture on ‘Alumni Lecture Series’ was held on 30 th December 2022 conducted by PG Department of Chemistry, KAHM Unity Women’s College, Manjeri on the auspicious occasion of ‘30 th Anniversary Celebrations’. This lecture was conducted through online mode at 2.00pm. The main guest of the event was Dr. Shareefa Thekkan, Former student of our college (B.Sc. Chemistry 2006-2009 Batch) and now working as Research Scientist, Esya labs for Alzheimer’s diagnosis, London.

- 13<sup>th</sup> Lecture on ‘Alumni Lecture Series’ was held on 30 th December 2022 conducted by PG Department of Chemistry, KAHM Unity Women’s College, Manjeri on the auspicious occasion of ‘30 th Anniversary Celebrations’. This lecture was conducted through online mode at 7.00pm through an online platform, Google meet. The main guest of the event was Dr. Hiba K., Former student of our college (B.Sc. Chemistry 2009-2012 Batch) and now working as HSST at Govt HSS Chorode vadakara.

## **PROGRESSION TO HIGHER EDUCATION (2019-22 Batch)**

### **UG to PG**

<b>Sl. No.</b>	<b>Name of student</b>	<b>Course</b>	<b>Name of institution</b>
1	Rashida C N	M. Sc.Applied Chemistry	Calicut University campus
2	Jamsheena Jasmin	M. Sc. Chemistry	Central University Madhya Pradesh
3	Arathi T	M. Sc. Applied Chemistry	Calicut University campus
4	Krishnapriya P P	M. Sc.Chemistry	Central University of Kerala
5	Shiblu	M. Sc. Chemistry	ZGC Kozhikode
6	Basila Shirin C	M. Sc. Chemistry	KAHM Unity Women's College, Manjeri

7	Najiya K	M. Sc. Chemistry	KAHM Unity Women's College, Manjeri
8	Rubeena M	M. Sc. Chemistry	KAHM Unity Women's College, Manjeri
9	Thamanna Shahanas	M. Sc. Chemistry	KAHM Unity Women's College, Manjeri
10	Adhila Parveen C K	M. Sc. Chemistry	KAHM Unity Women's College, Manjeri
11	Dhilruba Fathima	M. Sc. Chemistry	DGM MES Mampad College
12	Sneha. C	M. Sc. Chemistry	DGM MES Mampad College
13	Fathima Husna KP	M. Sc. Chemistry	MES Kalladi College, Mannarkkad
14	Jaseela	M. Sc. Nanoscience	Calicut University Campus
15	Sahma Sirin TP	M. Sc. Chemistry	KAHM Unity Women's College, Manjeri
16	Najaha P	M. Sc. Chemistry	CUSAT
17	Nasla Shareen	M. Sc. Chemistry	Majlis Arts and Science College, Puramannur
18	Raniya TM	M. Sc. Chemistry	NIT Calicut
19	Shaniba P	M. Sc. Chemistry	Sacred Heart College Thevara
20	Adhila C	M. Sc. Chemistry	Blossom Arts and Science College, Pulikkal
21	Hiba Fathima P	M. Sc. Chemistry	Grace Valley College, Maravattom
22	Murshida C	M. Sc. Chemistry	Blossom Arts and Science College, Pulikkal
23	Kanya E	M. Sc. Chemistry	ZGC Kozhikode
24	Raniya P K	M. Sc. Chemistry	Blossom Arts and Science College, Pulikkal
25	Nuzhath C M	M. Sc. Chemistry	Farook College, Kozhikode

### **UG to B. Ed**

Sl. No.	Name of student	Name of Institution
1	Hiba Sherin A	Kunhathumma Memorial Teacher Education Centre, Valillapuzha.
2	Rasha JabinM	Thirumalai Srinivasa College Trichi
3	Riza K K	KMCT College, Mukkam
4	Shamla M	EMEA Training College, Kondotty



5	Fida Surayya	SVCTE Palemad
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**UG to Other courses**

Sl. No.	Name of student	Course	Name of institution
1	Hiza. C	M.A Arabic	Calicut University
2	Shahma Thayyil	D. El.Ed.	MOITE,Mankada
3	Jabin Shabanu PK	JAM Coaching	Alchemi, C
4	Surya C	PSC coaching	Lakshya Areakode
5	Ayisha Annath K	PSC coaching	Pratheeksha Areakode
6	Devika M	PSC Coaching	Lakshya Areakode
7	Nahida Jahan MM	PSC coaching	Ace Academy,Manjeri
8	Suhaila KK	PSC coaching	Lakshya Areakode
9	Hiba MC	PSC Coaching	Ace Academy,Manjeri
10	Salma PP	PSC Coaching	Ace Academy,Manjeri