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P.G. DEPARTMENT OF BOTANY
BOT/UWC/DQAC/6.6
Annual Report 2023-2024

- College reopened on 1st June 2023 after midsummer vacation.

Staff Members

1. Dr. Usman Arerath; Assistant professor and Head, P.G department of Botany, usmanarerath@gmail.com,
Mob: 9446973230.
2. Dr. Faseela.P; Assistant professor, faseela8888@gmail.com,9048226588.
3. Dr. Deepa.P; Guest Lecturer, deepapsaj@gmail.com,9496362915.
4. Ms Sudheesha K; Guest Lecturer, sudheeshasudhi@gmail.com, 8547333018.
5. Dr. Abdul Salam CM, Guest Lecturer, fayisalamcm@gmail.com , 9446632423
6. Mrs Shifa M, Guest Lecturer, shifashibu7@gmail.com, 9745309549
7. Mrs Hibamol, Guest Lecturer, hibam362@gmail.com, 8547443406
8. Mrs Nahla Zakariya, Guest Lecturer, nahlazakariya8@gmail.com, 9744890169
9. Ms Surya, Guest Lecturer, suryaev7@gmail.com, 6282869384
10. Mrs Hana backer, Guest Lecturer, hanabacker95@gmail.com, 9947478140
11. Ms Manasa, Guest Lecturer, manasakp718@gmail.com, 9745799025

12. Dr Gouthami, Guest Lecturer, drgouthamiv@gmail.com, 9946500349

13. Mr. Adil Siyad, Guest Lecturer, adilsiyad@gmail.com, 9567601245

SI No	Name of Faculty	Platform used for curriculum delivery	Link of GCR or any other online platforms used for effective curriculum delivery	Communications in the teacher
1	Dr. Usman A	Google Work place, Google Class Room	GCR https://classroom.google.com/c/MzI4NDczOTk4NTYx,dzzbo64	85

I-2. Details of usage of online teaching platforms used by the faculty members.

2	Dr. Faseela P	Zoom, You Tube and GCR	You Tube https://youtube.com/channel/@Fpbotany GCR https://classroom.google.com/u/1/c/MTM0NDQxNzc1MDM4 4wblmov, zxixhje	65
3	Dr. Deepa P	You Tube, KSCSTE study material Webpage Weblog	You Tube https://youtu.be/ayX0pl6Gvmo?si=6uS-Yp0RBIEd7jng https://www.youtube.com/channel/UCOW9TcAy8XrBxBsoGmyfNjw https://kscste.kerala.gov.in/ https://drdeepap.blogspot.com/	60

II-1. Admission file (Seat allocation, admitted list, summary) 2023-24 admission

Programme name	Programme code	Number of seats sanctioned	Number of students admitted
BSc Botany	B.Sc	55	50
MSc Botany (self finance)	M.Sc (self)	20	13
MSc Botany (Aided)	M.Sc (Aided)	20	20

year	Number of seats earmarked for reserved category as per GOI or state Government rule					Number of students admitted from the reserved category				
	SC	ST	OBC	Gen	Others	SC	ST	OBC	Gen	others
BSc Botany	11	11	11	22	-	7	1	9	20	13
Msc Botany-aided	4	4	4	8	-	3	1	4	8	4
MSc Botany-SF	4	4	4	8	-	1	-	-	6	5

II-2. Details of admission from reservation category, other states, countries

PG(AIDED)

Name of the student	Programme	Category	State/country
ANASWARA B	M.Sc.	SC	KERALA
APARNA K	M.Sc.	SC	KERALA
DILSHANA E	M.Sc.	OBC	KERALA
FARHANA HIBA P	M.Sc.	OBC	KERALA
REESHANA	M.Sc.	OBC	KERALA
SHIBLA P	M.Sc.	OBC	KERALA
SREENA N	M.Sc.	SC	KERALA
SREYA	M.Sc.	ST	KERALA

Admission from other states or country: NIL

PG(SELF)

Name of the student	Programme	Category	State/country
DEVAPRIYA V S	M.Sc.	SC	KERALA

Admission from other states or country: NIL

UG BOTANY

Name of the student	Programme	Category	State/country
BINCY T V	BSc	SC	KERALA
DEEMAH	BSc	OBC	KERALA
FATHIMA SAFNA C	BSc	OBC	KERALA
FATHIMA SHIFNA SHERIN K T	BSc	ST	KERALA
HAFSA BANU VK	BSc	OBC	KERALA
HIMA T	BSc	SC	KERALA
HUSNA P V	BSc	OBC	KERALA

LIYA SHERIN LANGODAN	BSc	OBC	KERALA
NAJIHA SHERIN U K	BSc	OBC	KERALA
NIMA T	BSc	SC	KERALA
NINSHIDA SHERIN	BSc	OBC	KERALA
RINSHIDHA C P	BSc	OBC	KERALA
SHIFA K	BSc	PwD	KERALA
SNEHAMOL T K	BSc	SC	KERALA
SREERUDRA K	BSc	SC	KERALA
SREESHMA N	BSc	SC	KERALA
SWAFA A K	BSc	OBC	KERALA
THRISHNA P	BSc	SC	KERALA
FATHIMA RINSHA N K	BSc	SPORTS	KERALA
MUFEEDA M	MSc	SPORTS	KERALA

Admission from other states or country: NIL

II-3. Year wise external marks/ Results and result analysis (Pass percentage and grades)

Pass percentage of students during the year

Year	Program code	Program Name	Number of students appeared in the final year examination	Number of students Passed in the final year examination	Pass percentage
2024		BSc Botany	47	46	98
2024		MSc Botany	27	27	100

II-4. Consolidated faculty profile (2023-2024)

Name of the Full-time teacher	PAN	Designation	Year of appointment	Nature of appointment (Against Sanctioned post, temporary, permanent)	Name of the Department	Total years of Experience in the same institution	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution
Dr. Faseela P.	AHMPF9266G	Asst. Professor	2021	Permanent	Botany	4 years	Still serving
Dr. Usman A.	BRPPA6590Q	Asst. Professor	2014	Permanent	Botany	10 years	Still serving

Faculty profile

Name	Email	Gender	Designation	Date of joining institution
Dr. USMAN A	usmanarerath@gmail.com	Male	Assistant Professor	25-08-2014
Dr. FASEELA P	Faseela888@gmail.com	Female	Assistant Professor	28-06-2021
Ms. SURYA E V	Suryaev7@gmail.com	Female	Guest Faculty	21-09-2023
Dr. ABDUL SALAM C M	Fayisalamcm@gmail.com	Male	Guest Faculty	01-06-2023
Dr. DEEPA P	deepapsaj@gmail.com	Female	Guest Faculty	01-06-2023
Ms. SUDHEESHA K	Sudheeshasudhi212@gmail.com	Female	Guest Faculty	25-09-2023
Mrs. HIBAMOL PK	Hibam362@gmail.com	Female	Guest Faculty	19-09-2023
Dr. Gouthami V	drgouthamiv@gmail.com	Female	Guest Faculty	04-11-2022
Mr. Adil Siyad	adilsiyad@gmail.com	Male	Guest Faculty	08-06-2023
Ms. Manasa KP	Manasakp718@gmail.com	Female	Guest faculty	08-06-2023

Mrs. SHIFA M	Shifashibu7@gmail.com	Female	Guest Faculty	08-06-2023
Mrs. NAHLA ZAKRIYA	Nahlazakariya8@gmail.com	Female	Guest Faculty	20-09-2023
Mrs. HANA BACKER	Hanabacker95@gmail.com	Female	Guest Faculty	07-06-2023

Non- teaching staff

Sl.no	Faculty name	Designation	Joining date	Relieving date
1.	Mrs. Jaseela T.P	Lab assistant	01-06-2021	31-03-2025
2.	Mrs. Maimoona. K.P	Lab assistant	24-06-96	30-01-2028

III-1. Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Project based agriculture	Dr. Usman A.	Department of Botany	2021	1,00,000/-	1 year	Kerala Agriculture department	Government

III-2. Seminars/Webinars/ Workshops/ Conducted/ (IPR, Research Methodology, ED etc.)

Sl. No.	Name of the workshop/ seminar	Number of Participants	Date From – To
1	Manna 2023: Report on mushroom culture program	35	14-11-2023
2	Dig into dirt-worms at work	66	21-11-2023
3	Alumni talk on research experiences	80	30-10-2023
4	Hands-on training workshop on microbiology techniques	90	28-11-2023 and 1-12-2023
5	Natural handmade soap making workshop	50	26-3-2024

6	Plant identification and floristic survey in the camous	75	27 to 27-3-24
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III-3. Books/Paper/ Book Chapters and Popular media Publications by the Faculty

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
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1.	Dr. Faseela P	Plant physiology	Paradoxical effects of nanomaterials on plants: phytohormonal perspective exposes hidden risks amidst potential benefits	-	Inter National	2024	0981-9428	KAHM Unity Women's college, Manjeri	Faseela P
2.	Dr. Faseela P	Phytohormones at a glance	Phytohormones at a glance-	-	National	2023-24	978-93-6013-397-9	KAHM Unity Women's college, Manjeri	Faseela P
3.	Ms. Hana backer	Phytohormones at a glance	The Dynamics of Auxin in Plant Growth	-	National	2023-24	978-93-6013-397-9	KAHM Unity Women's College, Manjeri	Hana Backer
4.	Ms. Shifa M	Phytohormones at a glance	Cytokinin complexity: Insights into plant growth regulation	-	National	2023-24	978-93-6013-397-9	KAHM Unity Women's College, Manjeri	Shifa M
5.	Dr. Deepa P	Phytohormones at a glance	Gibberllic Acid: Role in plant growth and development	-	National	2023-24	978-93-6013-397-9	KAHM Unity Women's College, Manjeri	Deepa P.

6.	Ms. Nahla Zakariya	Phytohormones at a glance	An Insight into functions and signal transduction of Abscisic acid	-	National	2023-24	978-93-6013-397-9	KAHM Unity Women's College, Manjeri	Nahla Zakariya
7.	Ms. Hibamol PK	Phytohormones at a glance	The Multifaceted role of ethylene in plant growth	-	National	2023-24	978-93-6013-397-9	KAHM Unity Women's College, Manjeri	Hibamol pk
8.	Ms. Surya E V	Phytohormones at a glance	Jasmonic Acid Dynamics, signaling and functions in plants	-	National	2023	978-93-6013-397-9	KAHM Unity Women's College, Manjeri	Surya EV
9.	Ms. Sudheesha K	Phytohormones at a glance	Brassinosteroids in plants	-	National	2023	978-93-6013-397-9	KAHM Unity Women's College, Manjeri	Sudheesha K

IV. Infrastructure and Learning Resources

Class	Room No	Size of the class (dimension and area in sq.m)	Type of ICT Facility	Block
UG I/II	B309	18m ²	NO	Moulana Azad Block
UG III/IV	B201	36m ²	NO	
UG V/VI	E209	54m ²	NO	
PGI/II (Aided)	E306	48m ²	NO	
PGI/II (Self)	E207	36m ²	NO	
PG III/IV (Aided)	E206	54m ²	Smart TV	

PG III/IV (Self)	E203	18m ²	NO	Moulana Azad Block
Botany Main Lab	E304	36m ²	Smart TV	
Biochemistry Lab	E305	54m ²	NO	
Instrumentation Room	E303	48m ²	NO	
Tissue Culture Lab	E301	36m ²	NO	
Department Library	E201	54m ²	NO	
Herbarim Room	E208	18m ²	NO	
Research Lab	E204	54m ²	NO	
Mushroom Fruting Chamber		54m ²	NO	

Botany Department	E307	70m ²	NO	
Head of the Department	E202	36m ²	NO	

V-1 LIST OF STUDENTS IN THE EXIT BATCH OF 2023-24 UG & PG

Number of students progressing to higher education during the year 2023-24			
UG TO PG			
Name of student enrolling into higher education	Program graduated from	Name of institution joined	Name of programme admitted to
Shameema AK	B.Sc. Botany	Central University, Kasargode	MSc Applied Plant Science

Number of students progressing to higher education during the year 2022-23

PG TO HIGHER EDUCATION

Name of student enrolling into higher education	Program graduated from	Name of institution joined	Name of programme admitted to
Anusree P	KAHM Unity Women's College, Manjeri	Farook training college	BEd Natural Science
Shifa Sherin k	KAHM Unity Women's College, Manjeri	EMEA Training college kondotty	BEd Natural Science
Athira KK	KAHM Unity Women's College, Manjeri	College of Teacher Education, Kudamalloor, Kottayam	BEd Natural Science
Raseena Thasneem E	KAHM Unity Women's College, Manjeri	EMEA Training College, Kondotty	BEd Natural Science
Najla PV	KAHM Unity Women's College, Manjeri	Annei College, TNTEU	BEd Biological Science
Rasha Fathima KVS	KAHM Unity Women's College, Manjeri	EMEA Training College , Kondotty	BEd Natural Science
Shifa Nasri K	KAHM Unity Women's College, Manjeri	Velammal College of education, TNTEU	BEd Biological Science

V-2. Student welfare and scholarship (2023-24) focus on the student's educational status improvement

Year	Name of the scheme	Name of the students benefited by the govt. scheme	Amount
2023-24	CH Scholarship	Fairoos Beegum S	5000 /-
2023-24	CH Scholarship	Suhaila K	5000 /-
2023-24	CH Scholarship	Rinsha M	5000 /-
2023-24	CH Scholarship	Husna Marjan OV	5000 /-
2023-24	CH Scholarship	Shana Parveen K	5000 /-
2023-24	CH Scholarship	Fathima Labeeba KK	5000 /-
2023-24	CH Scholarship	Lubna V	5000 /-
2023-24	CH Scholarship	Anshida P	5000 /-
2023-24	CH Scholarship	Anshida Mariyam	5000 /-
2023-24	PTA merit scholarship	Shifa Sherin	2000 /-
2023-24	PTA merit scholarship	Dilna PP	2000/-
2023-24	PTA merit scholarship	Rishana	2000/-
2023-24	PTA merit scholarship	Safeeda KK	2000/-
2023-24	PTA merit scholarship	Thashnifa	2000/-
2023-24	PTA merit scholarship	Afeefa finu	2000/-
2023-24	Post metric scholarship	Fasna shibin K M	10000/-
2023-24	Post metric scholarship	Anshida Mariyam	10000/-
2023-24	Post metric scholarship	Fasna Shibin KM	10000/-
2023-24	Post metric scholarship	Navazish K	10000/-
2023-24	Central sector	Shelva A P	10000-12000

V-3. Grievance redressal mechanism or counselling in the department helps to overcome the student issues in turn improves the curricular and extra-curricular potentials

SL.NO	COMMITTEE MEMBERS	POSITION
1	Dr. Faseela P.	Coordinator
2	Dr. Usman A.	Chairman
3	Dr. Deepa P.	Senior Teacher
4	Mrs. Shibily P K	MSc Botany second semester

GRIEVANCE ACTION (2023-24)

Name of the student	Admission No.	Programme
RANA BAKER A	9075	AUDIT COURSE
FATHIMA LULU	8930	AUDIT COURSE
THASMIYA VP	9669	AUDIT COURSE
FATHIMA NOORA C	8866	AUDIT COURSE
MURSHIDA O	9062	AUDIT COURSE
RISNA SHERIN TP	UTAVSBO020	BSC BOTANY
SREE RUDRA K	9690	BSC BOTANY
ADITHYA K	9650	BSC BOTANY
BASILO OPK	9364	BSC BOTANY
FATHIMA RASHA	9362	BSC BOTANY

MEGHA M RAJEEV	8578	BSC BOTANY

V-4. The students who were participated in different co-curricular activities like NSS, NCC, clubs etc. during the academic year 2023-24.

Name of the student	NC C	NSS	Nature Club	Tourism Club	Biodiversity Club	Bhoomitra sena Club	Dance Club	Red Ribbon Club	Agro-Horticulture Club	Photography Club
AFRIN AHAMMED K			✓							
ANSHIDA P			✓							
ARSHA P			✓							
BIBISHAHMA PP			✓							
DALIYA TP			✓							
DIYA FATHIMA KT			✓							
ESATH JANNA SHERIN			✓							

FAIROOS BEEGUM S			✓							
FASNA SHIBIN KM			✓							
FATHIMA FIDHA CK			✓							
FATHIMA LABBEBA KK					✓					
FATHIMA NIDHA				✓						
FIDHA JABIN K					✓					
HIDHA SHERIN P					✓					
HUSNA MARJAN OV					✓					
LUBNA V					✓					
MINHA K					✓					
MUFEEDA KV					✓					
NAVAZISH K					✓					
NISHMA					✓					

RASHA MUBASSIR M					✓					
RISNA SHERIN TP					✓					
SHABINSHA SHERIN TH					✓					
SHAMEEMA AK					✓					
SHANA PARVEEN K			✓		✓					
SHELVA AP						✓				
SHUHAILA M						✓				
AISWARYA P						✓				
ANSHIDA MARIYAM KK						✓				
MEGHA M RAJEEV						✓				
NAJA SAJEESH TK						✓				
SHAHZIN CP						✓				
SUHAILA K						✓				

ANANYA MANOJ TK						✓				
ANASWARA A						✓				
DILNA PP									✓	
GOPIKA A									✓	
JUMNA MOL K									✓	
NIHALA NILOFAR TK									✓	
RINSHA M									✓	
SHAHANA K									✓	
SHAHARBAN C									✓	
SHARANYA K									✓	
SISIRA A M									✓	
SNEHA A P									✓	
NAYANA									✓	
NIDHA SHERIN TP									✓	

**V-5
Extracurricular
activities held by
the Department**

Date of event/activity	Name of the event/activity	Name of the student participated	Semester
26-02-2024	Recitation Urdu	Fathima Nidha P	BSc Botany Second Semester
26-02-2024	Daff Mutt	Fathima Nidha P	BSc Botany Second Semester
26-02-2024	Mappilapattu	Jumna Mol	BSc Botany Sixth semester
26-02-2024	Patriotic song	Jumna Mol	BSc Botany Sixth semester
26-02-2024	Indian group song	Jumna Mol	BSc Botany Sixth semester

V-6. Career guidance programmes held by the Department to improve the potential of students towards the competitive examinations.

Name of the activity	Details of career counseling	Number of students attended
CSIR Net coaching	PG Department of botany started CSIR-UGC NET/JRF coaching programme (life science) on 14 th November 2023	21

STARTED NET COACHING FOR LIFE SCIENCES: PG Department of botany started CSIR-NET NET/JRF coaching programme (life sciences) on 14th November 2023. Classes were started 14th November 2023 onwards from 2.40 to 3.40 pm every working day. 21 students from first and second year M.Sc. Botany joined in the programme which was coordinated by Surya E V (Assistant professor Adhoc) of the botany department.

V-7. Skill development and capacity building programmes held by the Department during the academic year of 2023-24.

Name of the capability enhancement program	Date of event	Number of students participated	Name of the agencies/consultations involved with contact details
A) Soft Skills	-	-	Nil
B) Language and communication skills	-	-	Nil
C) Life skills 1. Natural handmade soap making 2. CSIR-UGC NET coaching	26 th march 2024 14 th November 2023	40 21	- -
D) ICT/Computing skills 1. 'Hands on training on MS office'	01 st December 2023	30	-

V-8. Vocational training programmes

Programme	Date
Vermicomposting harvesting: A Hand to nature	10 th November 2023
Manna 2023: report on mushroom culture program	14 th November 2023
Organic Univegetable Garden 2023	21 th November 2023
Hand-on training workshop on microbiology techniques	23-30 November to 1 st December 2023

1.vermicomposting harvesting: A Hand to Nature : on 10th November 2023, PG Department of botany, KAHM Unity Women’s college, Manjeri, organized the harvesting of vermicompost organic manure and handed over to the collaborated plant nursery, green gate, chadikkallu, manjeri; instead, they provided the saplings of *Melastoma* sp, *Asplenium* sp, *Echinocactus* sp, *Gardenia* sp, *Zamia* sp etc to the department for enforcing plant diversity conservation. The programme was coordinated by Dr Usman A (Head and assistant professor), surya EV (Assistant professor Adhoc) and Ayisha febin P.N (1st semester M.Sc. botany)of the botany department to create an idea about composting the organic wastes to produce superior quality manure for feeding our “nutrient or organic matter hungry”solis

2. Manna 2023: Report on mushroom culture program – The mushroom culture program conducted by the department of botany on November 14, 2023, aimed at imparting best practices in mushroom cultivation. The event was coordinated by Ms. Shifa M and Ms. Sudheesha K the primary objective of the program was to provide students with practical knowledge and hands-on experience in mushroom cultivation. Students were actively engaged in hands on practical sessions where they learned the step-by-step process of

cultivating mushroom. The coordinator demonstrated substrate preparation, inoculation techniques and crucial parameters of maintain a conducive growing environment. The program successfully achieved of imparting best practices in mushroom cultivation

3. Organic Univegetable Garden 2023: On 21st November 2023, PG Department of botany restarted organic with an objective of giving students first-hand experience with nature and gardening by providing a phase of manual training on the usage of tools and implements in the gardening processes together with the preparation of cultivating soil. Dr. Usman A (head of the department) inaugurated the experiential learning event by planting the tomato seedling in the organic cultivating area of polyhouse that was purchased from daliya nursery and garden, annakayam, manjeri. As per the advice provided by the gardener, first semester B.Sc. Botany students helped to prepare the cultivating area and planted the vegetable seedlings viz. *Lycopersicum esculentum*, *Capsicum annum*, *Abelmoschus esculentus* and *Vigna unguiculata* properly in the drip irrigated site. On the completion of the program the students developed critical understanding on various aspects of agronomy and realized the role of organic farming to maintain environment health by reducing the level of pollution.

4. Hands-on training workshop on microbiology techniques: ‘Ambrosia’ research club , department of botany conducted a four-day hands-on training workshop on microbiology techniques in collaboration with Geno Bio Research Centre, Kottakal on 28-30th November and 1st December 2023. The program aimed to provide participants with practical insights into key aspects of microbiology. 30 students from 1st semester MSc students actively participated in the program. Mr. Mohammed Musthafa E P , supervising guide , Geno Bio Research Centre .

V-13. Capacity building programmes offered by the Department

V-14. Guidance for competitive examinations given by the Department

Programme	Date
Orientation for research fellowship examination	10th December 2022 Onwards
Orientation for PSC examination	18th th January 2023 onwards
CUET orientation	November onwards

Name of the capability enhancement program	Date of implementation	Number of students enrolled	Name of the organizing agencies/consultants involved with contact details
Hand- on training workshop on plant tissue culture technique	21-22 November 2023	32	Nil
Hands-on training workshop on microbiology techniques	28-30 November to 1 st December 2023	30 31	Nil

V-16. Special events conducted by the Department for the student support system

- 1. Type of experiential learning:** FIELD TRIP: As part of P.G. Curriculum, field study conducted to Nelliambathi, Palakkad on 11th November 2023 by Third Semester MSc Botany students
- Course code & Name:** CT10: Angiosperm Taxonomy, Morphology & Plant Resources
- Aim:** To identify the angiosperms coming under different families and to familiarize the family characters
- Outcome:** Students practiced to identify the key characters of the family that coming under the syllabus
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- 2. Type of experiential learning:** FIELD TRIP: As part of P.G. Curriculum, the field study conducted by First Semester MSc Botany students to Wayanad on 18th October 2023 and the session lead by Ms. Sudheesha.
- Course code & Name:** CT01: Bryology, Pteridology, Phycology and Gymnosperms
- Aim:** To identify the ferns that coming under different families and to familiarize the family characters
- Outcome:** Students practiced to identify the key characters of the family that mentioned in the syllabus
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- 3. Type of experiential learning:** TRIP TO ANAKKAYAM RESEARCH STATION: As part of P.G. Curriculum, the visit conducted by Second Semester MSc Botany students to Anakkayam Research Station, Anakkayam, on 25 September 2023 to practice the agricultural techniques.
- Course code & Name:** CT06: Cytogenetics, Genetics, Plant Breeding, & Evolution
- Aim:** To familiarize the agricultural techniques like grafting, layering, budding etc.
- Outcome:** Students practiced the grafting, layering and budding procedures which are useful in plant breeding.

4.Type of experiential learning: TRIP TO GURUKULAM BOTANICAL GARDEN:As part of P.G. Curriculum, the visit conducted by First Semester MSc Botany students to Gurukulam Botanical Garden, Wayanad, on 18th November 2023 to study about the lower plant groups.

Course code & Name: CT01: Bryology, Pteridology, Phycology and Gymnosperms

Aim: To identify the ferns that coming under different families and to familiarize the family characters

Outcome: Students practiced to identify the key characters of the family that mentioned in the syllabus

5.Type of experiential learning: TRIP TO ZOOLOGICAL SURVEY OF INDIA AT CALICUT: As part of U.G. Curriculum, the visit conducted by 3rd Semester BSc Botany students to Zoological Survey of India at Calicut as part of experiential learning related to their complementary course on 21st August 2023.

Course code & Name: ZOL 4C04T: Genetics and Immunology

Aim: To examine the salient features of museum specimens in addition to understand it's educational significance.

Outcome: Students observed and understood the features of the museum specimens that mentioned in the complementary course paper of the curriculum.

6.Type of experiential learning: TRIP TO THIKKODI:As part of P.G. Curriculum, the visit conducted by 1st Semester MSc Botany studentsto Thikkodi,Calicut as part of experiential learning related to their lowerplant group, algae on 11th November 2023.

Course code & Name: CT01: Bryology, Pteridology, Phycology and Gymnosperms

Aim: To examine the features of algae in addition to understand it's natural significance in ecosystem balance.

Outcome: Students observed and understood the features of the algae that mentioned in the curriculum.

7.Type of experiential learning: VISIT TO Goa and Maharashtra :As part of U.G. Curriculum, the visit conducted by 6th Semester BSc Botany students to CCRI, Chikmangalur as part of experiential learning related to herbarium and Botanical Garden on 5thFebruary 2024.

Course code & Name: BOT5B06T: Angiosperm morphology& systematics

Aim: To examine the herbarium and plant diversity of Botanical Garden of NBRI.

Outcome: Students understood the features of herbarium .They got idea about the different plant groups and hybrid varieties that maintained in CCRI.

VI-1. Teachers’ participation in FDPs, Workshops, Seminars, Webinars, Conferences etc

Name of teacher who attended	Title of the programme	Duration (from-to) (DD-MM-YYYY)	Organizing institution/agency/body
Dr. Faseela P.	<ul style="list-style-type: none"> Three days hand on training workshop microbiology techniques 	28-11-2023 to 30-11-2023	Geno Bio Research Centre
	<ul style="list-style-type: none"> National seminar on Plant Biodiversity, Genetics, Breeding and Biotechnology 	7-12-2023 to 8-12-2023	University Of Calicut

	<ul style="list-style-type: none"> UGC Sponsored refresher course in special summer school 	06/11/2023 to 20/11/2023	University Grants Commission
	<ul style="list-style-type: none"> Workshop on Abiotic Stress Management For Climate Resilience 	11-10-2023	SRM Institute Of Science And Technology
	<ul style="list-style-type: none"> Seven day Faculty Development Programme on Emerging Trends In Intellectual Property Rights 	14-8-2023 to 21-8-2023	KAHM Unity Women's College, Manjeri and Manjeri press club.
	<ul style="list-style-type: none"> Seminar on future prospects in botany 	23/2/2024	N.S.S College Manjeri .
Dr. Deepa P.	Seminar on Emerging Areas of Chemical Sciences	2023	PG Department of Chemistry, KAHM Unity Womens College Manjeri

	Two-day National seminar on 'Zoonotic disease control: Need for ecosystem surveillance on a one health approach'	2023	Department of Environment science, University of Calicut
	International Multidisciplinary Annual Seminar series, AGORA Edition 5.0, 'Birding as a tool of biodiversity conservation'	2023	Sree Narayana College Kollam
	International Multidisciplinary Annual Seminar Series, AGORA Edition 5.0, 'Race to rescue with Geodata- Climate change mitigation and adaptation'	2023	Sree Narayana College Kollam
Mrs. Hana Backer	Webinar on 'Hands-on training workshop on plant tissue culture technique'	2023	KAHM Unity women's college Manjeri
	National seminar on Plant biodiversity, genetics , breeding and biotechnology	7-12-2023 to 8-12-2023	University of calicut
	National seminar on 'zoontic disease control : need for ecosystem	4-12-2023 to 5-12-2023	Univeristy of calicut

	surveillance on a one health approach'		
Ms Nahla Zakariya p	Webinar on 'Hands-on training workshop on plant tissue culture technique'	2023	KAHM Unity women's college Manjeri
Mrs. Shifa M	Webinar on 'Hands-on training workshop on plant tissue culture technique'	2023	KAHM Unity women's college Manjeri
Ms. Sudheesha K	Webinar on 'Hands-on training workshop on plant tissue culture technique'	2023	KAHM Unity women's college Manjeri
Ms. Surya	Webinar on 'Hands-on training workshop on plant tissue culture technique'	2023	KAHM Unity women's college Manjeri

VII-1. Gender equity programmes

Debate on 'reservation for women; right or wrong'

The association day of 20th march was selected for conducting a debate on women reservation; right or wrong. 35 students participated in the debate. Shaharban C and Husna Marjan OV was the moderator of the debate and she moderated the session well. Dr. Faseela p. Was the coordinator of the program. It was concluded that there is no need of reservation if all other sectors of the society accept gender equity or gender neutrality.



Faculty in Charge (Criteria VI)

Mrs Nadiya K T

Assistant Professor (Adhoc)



DQAC Convenor

Dr. Faseela P.

Assistant Professor



Head of the Dept

Dr. Usman A.

Assistant Professor