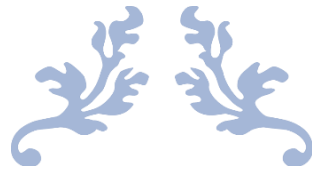


POST GRADUATE DEPARTMENT OF MICROBIOLOGY MARKAZ ARTS AND SCIENCE COLLEGE
ATHAVANAD (BRIEF ANNUAL REPORT FOR THE ACADEMIC YEAR
2025-2026



ANNUAL REPORT

DEPARTMENT OF MICROBIOLOGY

✉ markazmicrobiology@gmail.com

2025-2026



MARKAZ ARTS AND SCIENCE COLLEGE, ATHAVANAD

(Affiliated to the University of Calicut)

NAAC Accredited with 'A' grade

✉ markazcollege@gmail.com

POST GRADUATE DEPARTMENT OF MICROBIOLOGY MARKAZ ARTS AND SCIENCE COLLEGE
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ANNUAL REPORT FOR THE ACADEMIC YEAR 2025-2026

**POST GRADUATE DEPARTMENT OF
MICROBIOLOGY, ATHAVANAD, KARTHALA
P.O., MALAPPURAM DISTRICT, KERALA,
INDIA – 679571**

**POST GRADUATE DEPARTMENT OF MICROBIOLOGY MARKAZ ARTS AND SCIENCE COLLEGE
ATHAVANAD (BRIEF ANNUAL REPORT FOR THE ACADEMIC YEAR
2025-2026**

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**POST GRADUATE DEPARTMENT OF MICROBIOLOGY
MARKAZ ARTS AND SCIENCE COLLEGE, ATHAVANAD
ANNUALREPORT – (2025-2026)**

The Post Graduate Department of Microbiology, Markaz Arts and Science College, Athavanad, has actively engaged in academic excellence, faculty development programmes, student skill enhancement initiatives, research-oriented activities, workshops, outreach programmes, and interdisciplinary academic collaborations during the academic year 2025-26. The department continued its dedicated efforts towards maintaining high academic standards and fostering holistic development among students and faculty members.

OUR TEAM



Dr. Jumaila K.P., Anila T.P., Mr. Sanjo Thomas, Dr. Vimal K.P., Mr. Muhammed Jaseel A., Dr. Shamla. A.K., Mrs. Thasneem T.

**POST GRADUATE DEPARTMENT OF MICROBIOLOGY MARKAZ ARTS AND SCIENCE COLLEGE
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1. DEPARTMENT PROFILE

No.	NAMES	DUTIES	QUALIFICATION
1	Mr. MUHAMMED JASEEL A	Assistant Professor	M.Sc, NET, B.Ed
2	Dr. SHAMLA A K	Assistant Professor	M.Sc, NET, Ph.D
3	Mrs. THASNEEM T.	Assistant Professor	M.Sc, NET, B.Ed
4	Dr. Jumaila K.P.	Assistant Professor	M.Sc, NET, Ph.D
5	Ms. ANILA.T. P	Lab attender	DMLT
6	Dr.VIMAL K.P.	Head of the Department (from 02/06/2024 onwards)	M.Sc, NET, Ph.D

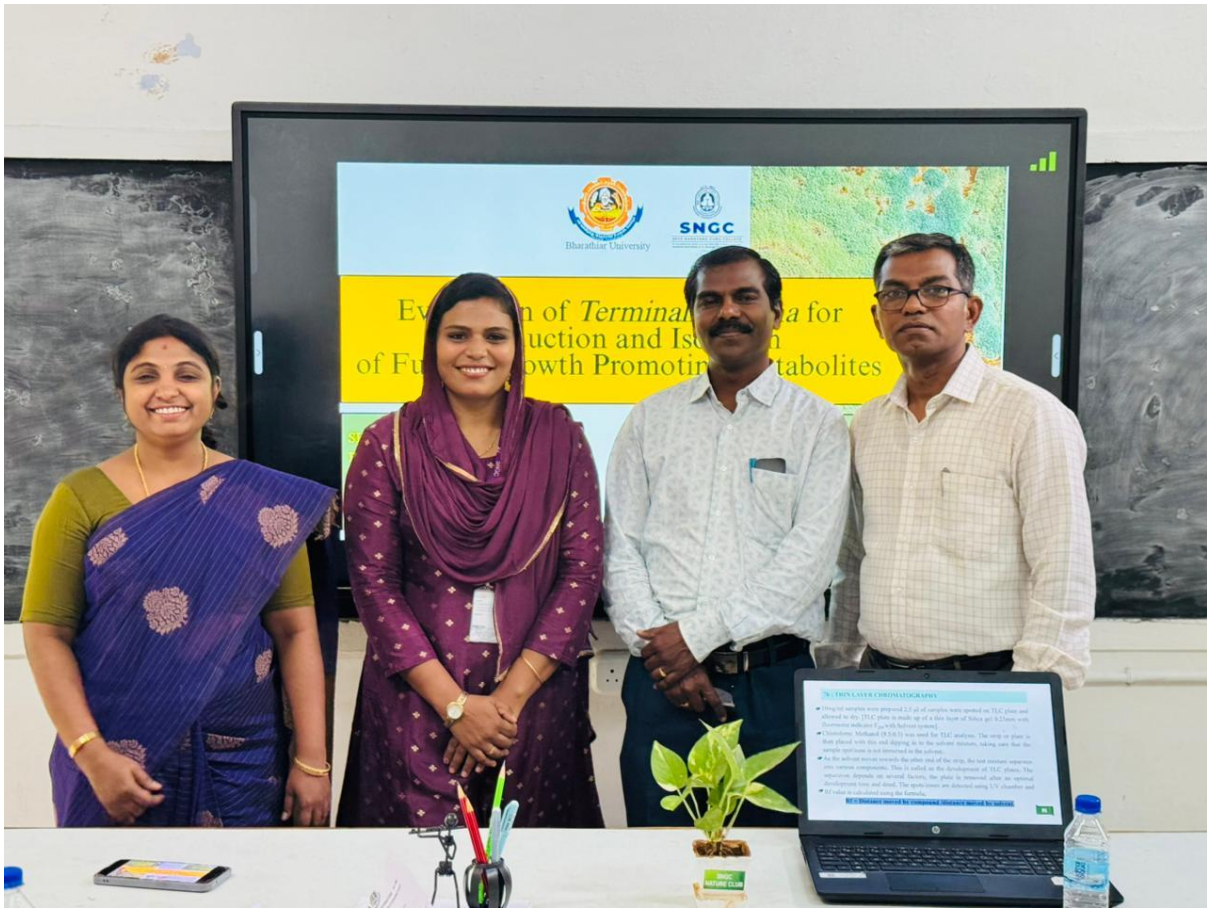
1. Faculty Qualification Achievements

Two faculty members of the department successfully cleared Ph.D qualifications during the academic year.

- Dr. Shamla A.K.
- Dr. Jumaila K.P.

This achievement reflects the department's commitment towards academic and professional advancement.

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Ph.D viva voce of Ms. Shamla A.K. (Bharathiyar University)



Ph.D viva voce of Mrs. Jumaila K.P. (Bharathiyar University)

POST GRADUATE DEPARTMENT OF MICROBIOLOGY MARKAZ ARTS AND SCIENCE COLLEGE
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2. Faculty Members Attended UGC-FDP

The following faculty members attended UGC Faculty Development Programmes and related academic training programme organized Malaviya Mission Teacher Training Centre (MMTTC), University of Calicut from 17/06/2025 – 26/06/2025.

- Muhammed Jaseel A.
- Thasneem T.
- Dr. Shamla A.K.
- Dr. Jumaila K.P.



- Dr. Vimal K.P. attended Faculty Development Programme organized by IQAC , Markaz Arts and Science College Athavanad 23rd March - 28th march 2026.

Their participation enhanced teaching competencies, research exposure, and academic excellence.

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3. University Examination Result (2025–2026)

Fathima Gafoor of B.Sc Microbiology 2022-25 batch achieved 10th position in the official rank list published by University of Calicut.



The department achieved commendable academic performance in the university examinations.

- Total Students Appeared : 36
- Total Students Passed : 34
- Pass percentage : 94.44%

The excellent result demonstrates the consistent academic support and guidance provided by the department.

4. Academic Toppers (2025–2026)

Final Degree Course (UG) Topper

- Mirfath Fasna V.K.

5. SWAYAM Course Registration

The department encouraged students to enrol in SWAYAM online courses for academic enrichment and skill development.

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Ten students from M.Sc Microbiology enrolled in SWAYAM course (Food Science and Technology)

The following students from Third Year B.Sc Microbiology enrolled in SWAYAM courses

- Public Health (1), Environmental, Food and Dairy Microbiology (5), Bacteriology and Virology (26)

6. Registration for SWAYAM Examination

- M.Sc Microbiology – 10
- II Year B.Sc Microbiology – 10
- III Year B.Sc Microbiology – 1

7. Certificate Courses Attended by Students

Soft Skill Training and IT Employability Programme

- II Year B.Sc Microbiology - 11
- III Year B.Sc Microbiology – 4 (Aneesa E.P., Ayisha Marwa, Fathima Naseera, Shermila Nezhin)
- M.Sc Microbiology – (Shaheema Saithali Kunhalu, Hanna A.I., Salva (Discontinued).

These programmes contributed towards improving students' employability skills, communication abilities, and professional competencies.

8. Seminars, Workshops and Training Programmes Attended

Faculty members of the department actively participated in various national and international seminars, workshops, and training programmes.

- Dr. Shamla A.K., Dr. Jumaila K.P., Mrs. Thasneem T., Muhammed Jaseel A., and Sanjo S. Thomas participated in **the *International Expert's Series*** organized by Gems Arts and Science College, Ramapuram, on 17 December 2025.
- Dr. Shamla A.K. attended the **One Day Interactive Workshop on Water Quality and Sanitation** organized by Kerala Agricultural University – UBA on 19 January 2026.

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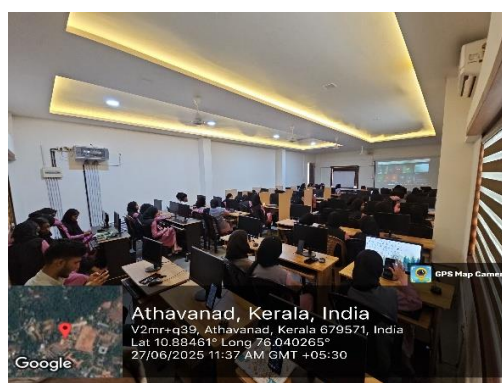
- Dr. Shamla A.K. attended the **SPOC Workshop conducted by IIT Chennai** on 05 July 2025.
- Faculty members participated in the programme titled *Strengthening the Community Academic Partnership, Tribal and Fisher Folk Outreach under UBA* organized by **the National Institute of Fisheries Administration and Management** on 10 November 2025.
- Dr. Jumaila K.P. and Dr. Vimal K.P. attended a one-day training programme on **“Principles and Applications of HPLC Techniques”** on 25 August 2025.
- Faculty members successfully attended the **online Mastering Instrumentation Programme on SEM, TEM, AFM, FTIR, STM, XRD, UV-VIS, Zeta Potential, DLS, and Raman Spectroscopy** conducted from 01 August 2025 to 10 August 2025.
- Dr. Shamla A.K. attended a **Five-Day Hands-on Training Programme in DNA Sequence Analysis** organized by **Barcode Biotechnology** from 07 August 2025 to 11 August 2025.
- Dr. Vimal K.P. attended the **CRISPR-CAS-9 Workshop** conducted at IIT Palakkad from 06 December 2025 to 07 December 2025.

SEMINAR CONDUCTED

1. Invited Talk by Dr. Sandopu Sravankumar

- Dr. Sandopu Sravankumar delivered a talk on:
- **“Bridging Chemistry and Microbiology: Modern Approach in Metabolite Purification”**
- The programme was organized jointly by IQAC and the Post Graduate Department of Microbiology on 27 June 2025 at Markaz Arts and Science College, Athavanad.
- The session provided valuable insights into interdisciplinary approaches in metabolite purification and modern microbiological applications.

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2. Conducted national seminar on “ THE FASCINATING WORLD OF NATURAL DYES” and Association inauguration of Post Graduate Department of Microbiology on 16/01/2026. At 10:00 am.

Chief Guest :- Dr.Nisy.S, Professor and Head, department of Microbiology, Sree Narayana Guru College, Coimbatore, Tamil Nadu.



MARKAZ ARTS AND SCIENCE COLLEGE , ATHAVANAD
Affiliated to the University of Calicut
NAAC ACCREDITED WITH 'A'

Department of Microbiology in
Association with IQAC Presents

NATIONAL SEMINAR

ON

THE FASCINATING WORLD OF NATURAL DYES

Dr. Nisy S

Professor and Head
Department of Microbiology
Sree Narayana Guru College
Coimbatore
Tamil Nadu.

16th January 2026

Time : 10 AM

Venue : Seminar Hall



ASSOCIATION INAUGURATION

Launching of Department YouTube Channel



ആതവനാട് മർകസ് കോളജിൽ നടന്ന ദേശീയ സെമിനാർ ഡോ. എസ്. നിസി ഉദ്ഘാടനം ചെയ്യുന്നു

ദേശീയ സെമിനാർ നടത്തി

ആതവനാട്: 'പ്രകൃതി ചായങ്ങൾ ആരോഗ്യ സംരക്ഷണത്തിന്' എന്ന പ്രമേയത്തിൽ ആതവനാട് മർകസ് കോളജ് മൈക്രോ ബയോളജി വിഭാഗം സെമിനാർ സംഘടിപ്പിച്ചു.
 കോയമ്പത്തൂർ എസ്.എൻ.ജി.

സി കോളജ് മൈക്രോ ബയോളജി വിഭാഗം മേധാവി ഡോ.എസ്. നിസി വിഷയം അവതരിപ്പിച്ചു. പ്രിൻസിപ്പൽ ഡോ.സി.പി. മുഹമ്മദ് കുട്ടി അധ്യക്ഷത വഹിച്ചു. തുടർന്ന് ജൈവനിറങ്ങൾ ഉപയോഗിച്ച് ലിപ് സ്റ്റിക്ക് നിർമ്മാണത്തിൽ

പ്രായോഗിക പരിശീലനം നടന്നു. മൈക്രോ ബയോളജി വിഭാഗം മേധാവി ഡോ. കെ.പി.വിമൽ, ജു മൈല, മുഹമ്മദ് ജസീൽ, എ.കെ. ഷംല, അസോസിയേഷൻ സെക്രട്ടറി അശ്വിൻ തുടങ്ങിയവർ സംസാരിച്ചു.

17/01/2026 | MALAPPURAM | Page : 11
 Source : <https://epapermadhyamam.com>

9. Departmental Academic and Outreach Activities and Invited Lectures delivered by the faculty of Our Department

The department actively organized and participated in several academic and outreach programmes during the reporting period.

1. Post Graduate Department of Microbiology Association inauguration and MBSI student Unit inauguration MICROVISTA 2026 at Gems Arts and Science College, Ramapuram, Malappuram 19/01/2026.



PG DEPARTMENT OF MICROBIOLOGY
In Association With IQAC and MBSI
Microvista
2026

ASSOCIATION AND MBSI STUDENTS UNIT INAUGURATION
VENUE: RESEARCH CENTRE
19 JANUARY 2026 AT 10AM

CHIEF GUEST
Dr. Vimal K P
Director (Research Promotion Council), Assistant Professor and Head, Department of Microbiology at Markaz Arts and Science College

BUTTER MILK CAMPAIGN
11.30 am
Infront of Dr. APJ Abdul Kalam Library & Research Centre

GEMS ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Logos: IQAC, Department of Microbiology, Microbiologists Society, GEMS, ANTE, NAAC, ISO 9001:2015

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2. Association inauguration and invited lecture at Government Arts and Science College Kozhinjampara, Nattukal P.O., Palakkad – 678554 on 18/02/2026



2.



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3. Invited lecture and Association inauguration at Blossom Arts and Science College, (PO) Valiyaparamba, Pulikkal, Kondotty, Malappuram, Kerala - 673637, India on 22/01/2026.

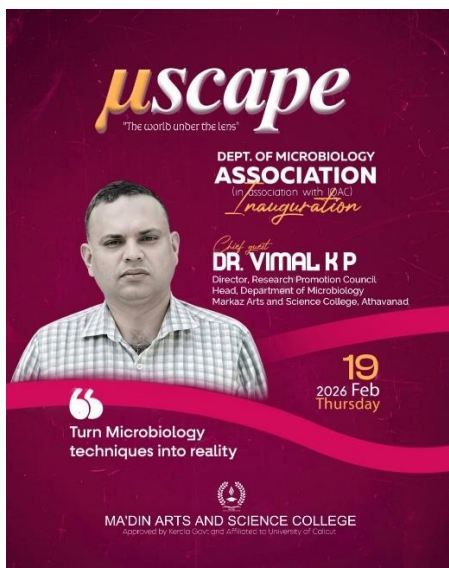


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4. Invited lecture on the topic “The world under the lens” and Association inauguration at Ma'din Arts & Science College on 19/02/2026.
Swalath Nagar, Edupark Road, Melmuri P.O, Malappuram, Kerala 676517,
India



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- Invited lecture at Government Boys School, Malappuram on the topic “World of Viruses” at Gifted Children Programme on 25/01/2026 at 2:00 pm.



- Invited lecture on the topic “**Harmony with nature and sustainable development**” at Mattummal Higher Secondary School, Mattummal, Athavanad P.O., Malappuram District, Kerala, India – 676301 on 23/01/2026.



© thana.org.in

Harmony with Nature and Sustainable Development

 **23 January 2026 (Friday)**

 **Venue : Conference hall**



DR.VIMAL KP
Director (Research Promotion Council), Assistant Professor and Head, Department of Microbiology at Markaz Arts and Science College

CHIEF GUEST

This program conduct by
boomithrasena club Ghss athavanad

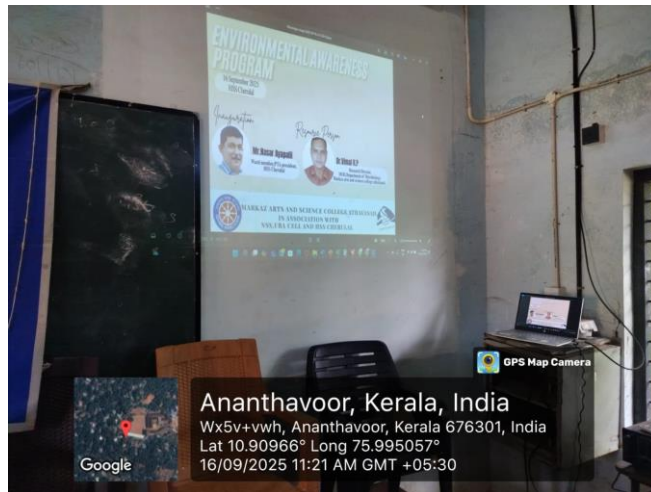
7. Invited lecture on “ Ozone Day” at Cherural Higher Secondary School Kurumbathoor Ananthavoor P.O. pin 676301, Malappuram dist, Kerala,India on

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16

September

2025.



ENVIRONMENTAL AWARENESS PROGRAM



16 September 2025
HSS Cherulal

Inauguration

Mr. Nasar Ayapalli
Ward member, PTA president,
HSS Cherulal

Resource Person

Dr. Vimal K.P
Research Director,
HOD, Department of Microbiology
Markaz arts and science college athavanad

 **MARKAZ ARTS AND SCIENCE COLLEGE ATHAVANAD**
IN ASSOCIATION WITH
NSS, UBA CELL AND HSS CHERULAL 

**POST GRADUATE DEPARTMENT OF MICROBIOLOGY MARKAZ ARTS AND SCIENCE COLLEGE
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8. Dr. Vimal K.P., HoD, PG Department of Microbiology has delivered an invited lecture on “Healthy Nutrition” at 29K Batallion NCC Malappuram on 23.08.2025.



The lecture focused on nutritional awareness, healthy food habits, and public health education.

9. Invited lecture on the topic “Nutritional importance in daily health” at Thekkekulambu Anganwadi, Athavanad organized by Women Development Cell as a part of World Food Day on 16/01/2025.



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10. Biodiversity Day Programme – Department of Botany, Markaz Arts and Sciencee College Athavanad.



ദ്വിദിന സെമിനാർ സംഘടിപ്പിച്ചു

വളാഞ്ചേരി: ജൈവ വൈവിധ്യ സംരക്ഷണ ബോധവൽക്കരണ പരിപാടിയുടെ ഭാഗമായി സംസ്ഥാന ജൈവ വൈവിധ്യ ബോർഡ് ആതവനാട് മർകസ് കോളജുമായി ചേർന്ന് ദ്വിദിന സെമിനാർ സംഘടിപ്പിച്ചു. മുൻ അഡിഷണൽ ജില്ല മജിസ്ട്രേറ്റ് പി. സൈദലവി ഉദ്ഘാടനം ചെയ്തു. കോട്ടക്കൽ ആര്യവൈദ്യ ശാല ഡെപ്യൂട്ടി മാനേജർ മഹേഷ് കുമാർ,

കോഴിക്കോട് സർവകലാശാല ബോട്ടണി വിഭാഗത്തിലെ ഡോ. സി. പ്രമോദ്, ഡോ. സി.പി. മുഹമ്മദ് കുട്ടി, ഡോ. കെ.പി. വിമൽ, പ്രൊഫ. പി.വി. ഹംസ തുടങ്ങിയവർ പ്രബന്ധം അവതരിപ്പിച്ചു. വൈസ് പ്രിൻസിപ്പൽ സി.സി. മുഹമ്മദ് ഷാഫി സർട്ടിഫിക്കറ്റുകൾ വിതരണം ചെയ്തു. പരിപാടിയിൽ വിവിധ കോളജുകളിൽ നിന്നായി നൂറോളം പേർ പങ്കെടുത്തു.



ആതവനാട് മർകസ് കോളജിൽ നടന്ന ദ്വിദിന സെമിനാറിൽ കോഴിക്കോട് സർവകലാശാല ബോട്ടണി വിഭാഗം അസി. പ്രൊഫസർ ഡോ. സി. പ്രമോദ് വിഷയം അവതരിപ്പിക്കുന്നു

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- Research Methodology Programme – Department of Botany

These initiatives enhanced community interaction, scientific awareness, and academic collaboration.

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11. Hands-on Training Programme

A few students from the Fifth Semester Undergraduate Programme and First Semester Postgraduate Programme participated in the Hands-on Training Programme in Molecularbiology, Bioinformatics and Tissue Culture held from 28 July 2025 to 30 July 2025.



The programme provided practical exposure and enhanced students' laboratory skills in advanced biological techniques.

12. Certificate Course on Instrumental Methods of Analysis on 25 August 2025

Organized By

- Research Promotion Council, Markaz Arts and Science College, Athavanad

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- Department of Biotechnology, University of Calicut

Participants

Postgraduate students from the Departments of:

- Biochemistry
- Chemistry
- Microbiology

The Research Promotion Council successfully conducted an offline workshop as part of the Certificate Course on “Instrumental Methods of Analysis” for postgraduate students from various departments. First Semester Postgraduate students also attended the programme.

Course Highlights

The course provided hands-on training and in-depth knowledge of instrumental techniques used in research and scientific analysis. Training sessions covered:

- High Performance Liquid Chromatography (HPLC)
- Ion Exchange Chromatography
- Lyophilization Techniques
- Tissue Cultivation Methods

The sessions were led by distinguished experts including:

- Dr. Thara, Technical Officer, Department of Biotechnology, University of Calicut

Students gained a deeper understanding of instrumental methods and their applications in research and experimentation.

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Participants also visited:

- C.H.M.K Library, University of Calicut
- Digital Library Centre

Students were introduced to DAISY Software designed for visually challenged students.

The programme created a collaborative and interdisciplinary learning environment and significantly enhanced students' research knowledge and practical skills.

Conclusion

The Post Graduate Department of Microbiology continued to uphold academic excellence and actively engaged in faculty development, student enrichment programmes, research-oriented activities, and community outreach initiatives during the reporting period. Through academic achievements, workshops, invited lectures, skill development programmes, and collaborative activities, the department has consistently contributed towards the holistic development of students and the advancement of scientific learning.

The department remains committed to achieving greater milestones in academics, research, innovation, and community engagement in the coming years.

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Submitted by

Dr. Vimal K.P.

Head of the Department

Post Graduate Department of Microbiology

Markaz Arts and Science College, Athavanad

Prepared by

Muhammed Jaseel A and Dr. Vimal K.P.