

ANNUAL REPORT 2025-2026

DEPARTMENT OF BOTANY

MARKAZ ARTS AND SCIENCE COLLEGE

The college reopened for the academic year 2025-26 on 2nd June Monday.

STAFF AND STUDENTS

Botany Department has Three faculty members and one lab attende .Mrs. Mufeeda Shirin was the Head of Department. Other faculties were Dr Sreereshmi and Mrs Aparna P. Vijitha was the Lab attender.

Mufeeda Shirin continued as the Co-ordinator of biodiversity club for academic year 2025-26

Mrs Aparna P Was the Department IQAC Cordinator for the academic year 2025-26.

The department has 32 degree students ,in which there were 5 boys and 27 girls.

TOTAL NUMBER OF STUDENTS B Sc BOTANY DEGREE PROGRAMME 2025-26

| SL.NO | CLASS | NO OF BOYS | NO OF GIRLS | TOTAL |
|-------|-------------|------------|-------------|-------|
| 1 | First year | 3 | 6 | 9 |
| 2 | Second year | 1 | 6 | 7 |
| 3 | Third year | 1 | 15 | 16 |

Table 1 : Number Of Students In B Sc Botany Degree Programme 2025-26

ADVISORY DETAILES

The detailes of advisors were as follows : Dr Sreereshmi was assigned the advisory duty for first year FYUGP B Sc Botany Degree Honours. Mrs. Mufeeda Shirin was assigned the advisory duty for second year FYUGP B Sc Botany Degree Honours and Mrs Aparna P was the advisor of third year B Sc Botany.

LAST YEAR ACADEMIC RESULT

The number of candidate registered for final year UG University Examinations were 3 .3 students appeared for the examination and 2 passed for the examination with pass percentage 66%.

DETAILS OF WEBINAR/SEMINAR ATTENDED BY TEACHERS

- APARNA P has Participated in two day International Conference **On Plant Biodiversity ,Climate Adaptation And Traditional Knowledge System** jointly organized by the department of Botany ,Nirmala college ,Muvattupuzha (Autonomous) and Centre for integrative Biology and Ecological Science (CIBES) in association with Institute of Food and agriculture Ethics (ifae) bishop`s House

,Diocese of Thamarassery and Arya Vaidya sala kottakkal from 15th and 16th January 2026

- APARNA P has Participated in three day **International Conference On Algal And Cyanobacterial Biology (Icacb-2026)** held on February 19-21 ,2026 organized by Department of Botany Banaras Hindu University , Varanasi



Participation Certificate on in two day International Conference On Plant Biodiversity ,Climate Adaptation And Traditional Knowledge System



Participation Certificate on three day International Conference On Algal And Cyanobacterial Biology (Icacb-2026)

DETAILS OF FDP /WORKSHOP ATTENDED BY FACULTIES

- All Botany faculties Participated in Faculty development programme organized by IQAC and Students Service Centre in collaboration with KELTRON III cell conducted by Markaz Arts & Science College .

DETAILS OF STUDENTS ATTENDED
SEMINARS/PRESENTATIONS/WORKSHOPS

- Six students namely Fathima Sirin, Thasneem, Murshida M.V, Sharikha Thasni, Fathima fida, Saniya A C From third year Botany were participated in the Two day seminar on “**Vanishing Voice Of Nature : Challenges And Opportunities In Biodiversity Conservation** ” Organized by Department of Botany, Farook College (Autonomous) Kozhikode with the support of Kerala State Biodiversity Board (KSBB) held on 16th and 17th September 2025.



Participation certificate on the Two day seminar

- Yaseen Shereef KC, First year Botany student successfully completed the First Semester Diploma in Mappila Songs conducted by the Mahakavi Moyinkutty Vaidyar Mappila Kala Academy, Department of Cultural Affairs, Government of Kerala. The examination was held in November 2025, and the result was published on 12 January 2026.

| Mahakavi Moyinkutty Vaidyar Mappila Kala Academy Department of Cultural Affairs Government of Kerala | | | | | | | | | |
|---|---------------|-------------------------|---------------------|----|-------|---------------|----|-------|--------|
| DIPLOMA IN MAPPILA SONGS | | | | | | | | | |
| STATEMENT OF MARKS | | | | | | | | | |
| NAME OF THE CANDIDATE | | | DATE OF BIRTH | | | SEMESTER | | | |
| YASEEN SHEREEF KC | | | 18/01/2007 | | | First | | | |
| REGISTER NUMBER | MONTH & YEAR | CENTER CODE | DATE OF PUBLICATION | | | | | | |
| 2520M11 | NOVEMBER 2025 | 20 | 12/01/2026 | | | | | | |
| Sl. No | Code | Title of the Course | Maximum Marks | | | Marks Secured | | | Grade |
| | | | SR | EM | Total | SR | EM | Total | |
| 1 | M01 | History of Mappila Area | 30 | 70 | 100 | 21 | 40 | 61 | PASS B |
| 1 | M02 | Arabi-Malayalam | 30 | 70 | 100 | 22 | 46 | 68 | PASS A |
| 1 | M03 | Practical Singing 1 | 30 | 70 | 100 | 23 | 45 | 68 | PASS A |

Course completion certificate (First Semester Diploma) in Mappila Songs

- Muhammad Yaseen First year Botany student, actively participated as a volunteer in the Kerala Disability Festival and was honoured with a Certificate of Appreciation. His dedicated service and valuable contribution played an important role in the successful conduct of the festival. Through his volunteer work, he demonstrated commitment towards promoting inclusiveness and supporting the social model of disability. His efforts helped foster awareness, solidarity, and positive public attitudes, reflecting a strong sense of social responsibility and community service



Certificate of Appreciation as a volunteer in the Kerala Disability Festival

- Muhammed Yaseen First year Botany student, participated in the seven-day Residential Disaster Management Camp jointly organized by the State NSS Cell and Disaster Management Committee. The camp was conducted at IGP Training Arena, Pathiriyal, Manjeri, from January 15 to January 21, 2026.

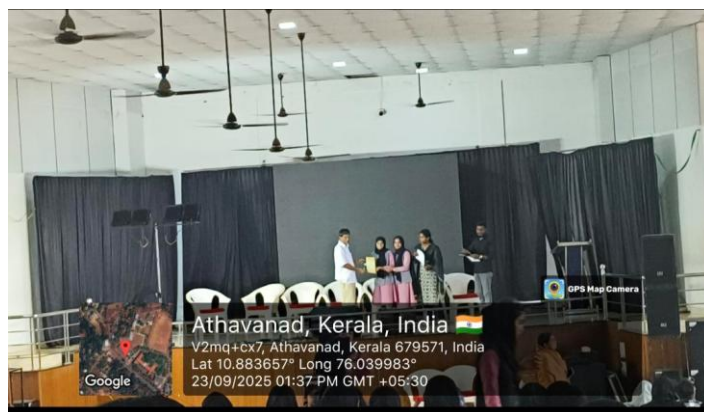
DETAILS OF STUDENTS ACHIEVEMENT

- During the academic year 2025–2026, Murshida MV successfully represented the institution at the national level by participating in the Online Photography Competition organized by the CSIR-National Botanical Research Institute (NBRI) Environmental Information, Awareness, Capacity Building & Livelihood Programme Centre (EIACP), Lucknow. Held from 22 November to 30 November 2025 under the aegis of the Ministry of Environment, Forest & Climate Change (MoEF&CC), Government of India, the competition centered on the theme “Nature’s beauty, your Canvas” as part of the green LiFE (Lifestyle for Environment) initiative. Murshida MV’s active participation in this central government initiative not only highlights her keen artistic and environmental engagement but also brings commendable recognition to our department’s student achievements.



Participation certificate in the Online Photography Competition

- Fathima Sirin K, and Murshida M V ,third year Botany students achieved a major milestone by securing the First Prize in Quiz Competition organized by Department Of Physics ,MASC in connection with National Space Day – 2025 (NSpD-2025) held on 23 August 2025.

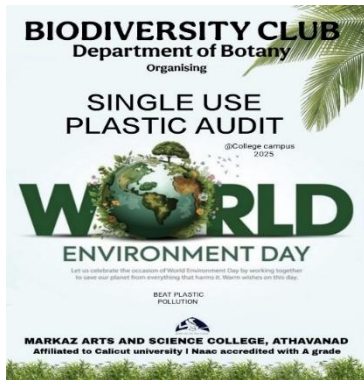


Participation certificate

DETAILS OF DEPARTMENT ACTIVITIES

- The Biodiversity Club, Department of Botany, Markaz Arts and Science College, Athavanad, organized a Single Use Plastic Audit on the occasion of World Environment Day 2025 at the college campus. The programme was conducted with the objective of creating awareness about the harmful effects of single-use plastics and promoting eco-friendly practices among students and staff, in line with the theme “Beat Plastic Pollution.

As part of the programme, awareness messages were shared on reducing plastic consumption, proper waste segregation, and responsible disposal practices. The initiative helped participants understand the long-term environmental impact of plastic pollution on biodiversity, soil, water bodies, and human health.



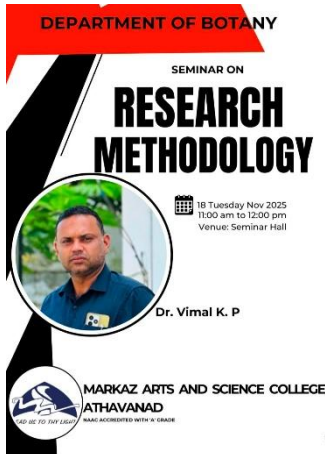
Single Use Plastic Audit on the occasion of World Environment Day 2025

- 2nd year and 3rd year Botany students conducted a Herbal garden cleaning programme on 17th July 2025 to maintain the cleanliness and health of medicinal plants within the campus. The activity promoted environmental responsibility, teamwork, and practical knowledge regarding herbal plant conservation. The activity contributed to the preservation of medicinal plants and encouraged environmental awareness among students.



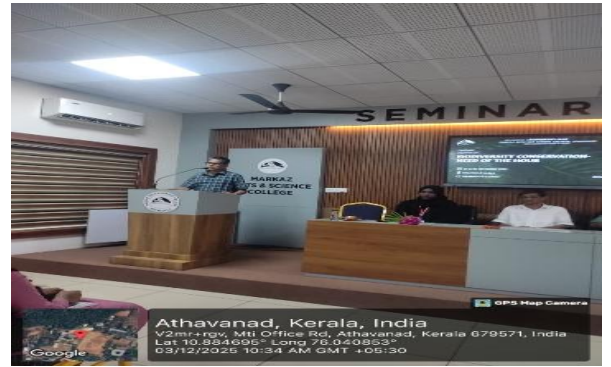
Students cleaning Herbal garden

- The Department of Botany at Markaz Arts and Science College, Athavanad, organized a seminar on Research Methodology for final-year Botany students. The program took place on Tuesday, November 18, 2025, from 11:00 am to 12:00 pm in the college Seminar Hall. The main class was taken by Dr. Vimal K. P, HoD & Assistant Professor Department of Microbiology ,MASC who shared his expert knowledge with the students. Since the students are in their final year, this class was highly important for them. It taught them the basic rules, methods, and steps needed to carry out scientific research and complete their academic projects successfully. By learning these research skills, the students can now better understand how to gather data, analysing facts, and write their scientific reports in a proper way.



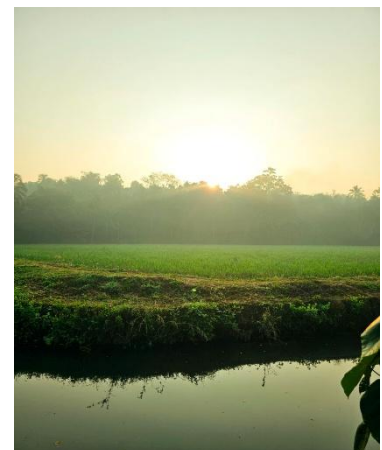
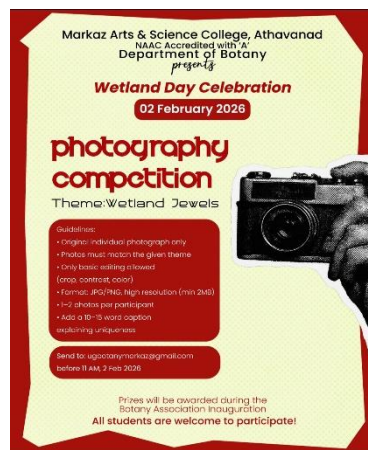
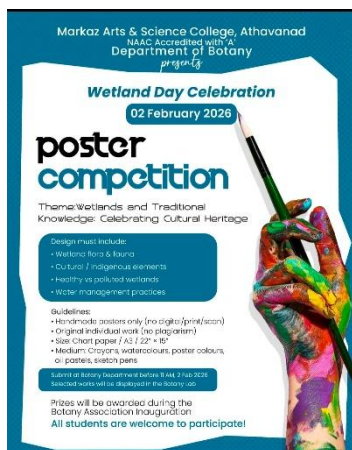
Dr. Vimal K. P, HoD & Assistant Professor Department of Microbiology ,MASC handling the session.

- The Biodiversity Club, in association with Department of Botany and the Internal Quality Assurance Cell (IQAC) of Markaz Arts and Science College, Athavanad, organized a two-day seminar titled “Biodiversity & Conservation: Need of the Hour” on 03rd and 04th December 2025. The programme was sponsored by the Kerala State Biodiversity Board, Government of Kerala, with the objective of creating awareness about biodiversity conservation, sustainable development, and the urgent need to protect natural resources. There were 6 different academic sessions handled by various faculties. 15 Students from CPA college Of Global Studies also participated.



Dr .C.P .Muhammed Kutty, Principal ,Markaz Arts and Science College, delivering the Presidential Address

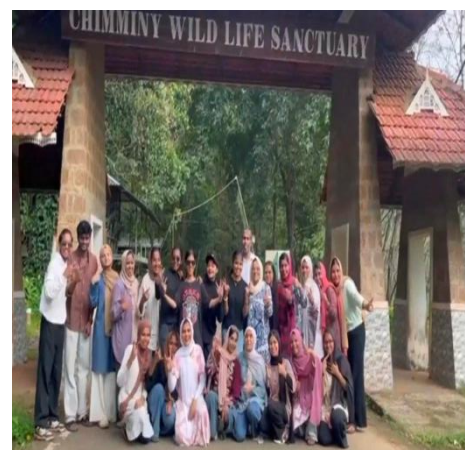
- On World Wetland Day on February 2, 2026, the Department of Botany at Markaz Arts and Science College, Athavanad, organized a online Poster Competition on the theme “Wetlands and Traditional Knowledge: Celebrating Cultural Heritage” and a Photography Competition themed “Wetland Jewels.” The events encouraged students to explore the ecological and cultural value of wetlands through handmade art and creative photography, with the selected works later put on display in the Botany Lab. Among the many talented participants from across the college, Salmanul faris final year student from the Department of Microbiology delivered an outstanding performance and won the first prize.



Online Photography competition conducted on World Wetland day.

INDUSTRIAL VISIT

- As part of academic syllabus, the first-year Botany (Major) and Zoology (Minor) students of Markaz Arts and Science College, Athavanad, successfully conducted an educational field visit to Chimmini Wildlife Sanctuary and Kerala Agricultural University on October 17, 2025. The primary objective of this one-day tour was to bridge the gap between classroom theory and real-world practical experience by exploring diverse natural ecosystems and modern agricultural advancements.



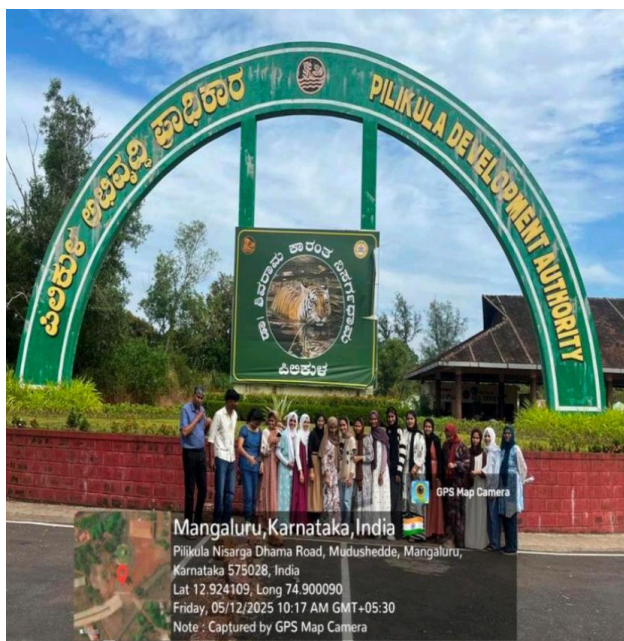
Chimmini Wildlife Sanctuary

- As part of academic curriculum, the 2023–2026 batch of B.Sc. Botany students from Markaz Arts and Science College, Athavanad, conducted an educational study tour on February 4, 2026, visiting two premier research stations in Thrissur: the Kerala Forest Research Institute (KFRI) in Peechi and the ICAR-National Bureau of Plant Genetic Resources (NBPGR) Regional Station. The tour aimed to enhance the students' practical understanding of forest research, tree breeding, soil science, and active conservation practices. At KFRI, the batch gained valuable insights into tissue culture practices alongside formal familiarization with biotechnology and molecular laboratories. Meanwhile, the visit to NBPGR provided firsthand exposure to germplasm management, genetic resource preservation, and field-level conservation activities. By interacting with working scientists and exploring these advanced research environments, the students successfully bridged the gap between classroom theory and real-world scientific applications.



Visit to Kerala Forest Research Institute (KFRI) in Peechi and the ICAR-National Bureau of Plant Genetic Resources (NBPGR) Regional Station

- Another educational study tour conducted to Pilikula Nisargadhama in Mangaluru, a premier eco-tourism and scientific complex, to enhance their practical understanding of plant sciences, biodiversity, and ecology. The focus of the visit was the expansive Pilikula Arboretum (Botanical Garden), which spans 35 hectares and is home to around 60,000 seedlings of over 230 flowering plant taxa, including numerous rare, threatened, and endemic species of the Western Ghats biodiversity hotspot. The students explored specialized sections, such as the dedicated six-acre medicinal plant garden housing over 460 varieties, aquatic ponds, and conservation nurseries. Additionally, the visit offered an integrated learning experience as students interacted with the regional biodiversity at the Dr. Shivaram Karanth Biological Park and explored ecological exhibits at the Regional Science Centre, successfully bridging the gap between classroom theory and field-level conservation practices.



Pilikula Nisargadhama in Mangaluru, a premier eco-tourism to understand plant sciences, biodiversity, and ecology

DETAILS OF OTHER DEPARTMENT ACTIVITES

- On October 7, 2025, Botany students participated in a Soil Analysis Program at Ananthavoor Village, organized by NSS Unit 194 and the UBA Club alongside the Mobile Soil Testing Lab, Malappuram directed by Assistant Soil Chemist Mr. Jamsheed K., the field study bridged classroom plant physiology with practical ecology. Students learned scientific rhizosphere soil sampling and witnessed live testing for pH, organic carbon, and primary macronutrients ($\{N, P, K\}$). This experiential learning highlighted how soil chemistry governs root development, nutrient uptake, and crop health, while reinforcing sustainable agricultural practices within the community



Soil Analysis Program

- 2nd year NSS Botany volunteers ,namely Fida Fathima, Safeeda Shirin and Hadhi C P participated in the 7-day special camp “അല” (Ala) at GLP School, Moodal (Dec 24–30, 2025). While working under the theme “Youth for the Integrity of the Village,” my academic background allowed me to closely observe the local ecosystem during our community field visits.
- On 17th February 2026, 9 Students from first year Botany participated in the “Exhibition & Awareness Program on Black Pepper Technologies” organized by the Research & Consultancy Service of Markaz Arts and Science College, Athavanad, in collaboration with the ICAR-Indian Institute of Spices Research (IISR) and Athavanad Grama Panchayath. The event was officially inaugurated at 10:00 AM by Shri. K.T. Azadali, President of the Grama Panchayath. The technical sessions led by eminent ICAR scientists were highly enriching; Dr. M. Shamsudheen (Principal Scientist) detailed advanced production and disease management strategies for Piper nigrum, while Dr. K. Anees (Principal Scientist) focused on post-harvest physiology and value-addition technologies. Accompanied by a practical technical exhibition, this



program bridging economic botany and sustainable agriculture offered invaluable insights into current spice crop research and field applications.

- Department of Botany actively participated in the annual Food Festival organized by Markaz Arts and Science College, Athavanad, On 16th February 2026, Monday. The stall was decorated using eco-friendly materials alongside informative placards highlighting the scientific names and nutritional value of the ingredients. This highly successful participation not only provided students with valuable, real-world experience in team coordination and entrepreneurship.
- Aseeba Thasni ,student from third year Botany received Proficiency Award for Best Student and for outstanding academic performance during 2025-26 academic year.



Aseeba Thasni received award for Best student.

- ARTS -KALARANG

The Department Of Botany secured 4rth Position in the Arts fest.