

Annual Report 2023-24

PG Department of Botany

KAHM Unity Women's College, Manjeri.

The Postgraduate and Research Department of Botany, KAHM Unity Women's College organised various research oriented Programmes and academic expert Talks during the year 2023-24 in focus of the intellectual growth of the institution. **Manna 2023: Mushroom Culture Program** conducted by the PG 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 Programme was commenced as "**Field Work on Vegetable Garden**" by Dr. Usman A, A Programme for the 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, was held on 21st November 2023, on the theme '**Environmental Enrichment Programs**' coordinated by Adhil siyad and Manasa, '**One Student One Tree Campaign 2023**' on 07th July 2023. It gives awareness about benefits of trees and to encourage students to become more active in environmental conservation efforts.

On 10th November 2023, PG Department of Botany has conducted **Vermicompost Harvesting: A Hand to Nature** is coordinated by Dr Usman A and Ms. Surya E V to create an idea about composting the organic wastes to produce superior quality manure for feeding our "nutrient or organic matter hungry" soils. For the improvement of slow learners, the PG Department of Botany in collaboration with the Jeevani Centre for Student Well-being, organized a program titled "**Rebound: Turning Setbacks into Comebacks.**" The event was led by Psychologist Muheena Thasneem KT, with the support of Faculty Coordinator Nahla Zakariya (Assistant Professor Adhoc) and Student Coordinator Vafa Mol (Second Semester M. Sc. Botany on 22nd of January 2024. **As part of Van Mahotsav 2023**, P.G. Department of Botany organized **Slogan writing competition** on 01st July 2023 and '**Uni-Hibiscus Garden**' on 07/7/23 for both students and teachers to raise the awareness about the importance of trees and forests in our lives and to protect the environment. On 7/07/23 **Distribution of *Ensete superbum* (Roxb.) Cheesman. Seedlings to Neighboring Communities** coordinated by Dr. Deepa P, Dr Gouthami and Adil siyad. SYLVIE Association organized a debate on the topic '**Gender Inequality**' on 20th July 2023. The debate proved to be a significant step toward promoting open dialogue, understanding diverse viewpoints, and empowering students to speak up on crucial societal issues. The program was coordinated by Dr. Faseela P. Dr Deepa P, Dr. Gouthami has coordinated a program titled '**Through Fungal Jungle of Unity Campus**' on 14/08/23. On 17/8/23 organized a quiz competition to commemorate '**Chingam 1-Karshaka Dinam**' (**Farmer's Day**) coordinated by Dr Faseela P.

The department of botany conducted various field trips. On 21/8/23 conducted **Field trip to IISR, Kozhikode and Kerala Vallikkunnu Community Reserve, Balathiruthi.** for 3rd semester MSc students conducted a field trip to **Nelliambathy** on 11/10/23. PG department of botany conducted a collection trip to wayand for the study of lower forms of plant. On 8th November conducted a camp at wayand and also visited at Malabar botanical garden. On 11/11/23 the 1st sem MSc botany visited **Thikkodi, Kozhikode for collection of Algae.** The Eco & Nature Club, KAHM Unity Women's College, Manjeri organized a two-day nature education camp and Brahmagiri peak trekking event at Thirunelli forest division in Wayanad on January 13th and 14th, 2024. Taxonomic study trip to Goa and Maharashtra conducted to Sixth Semester BSc Botany students which was coordinated by Dr. Usman A on **04/02/2024 -09/02/2024**

On 4/9/2023 Photography contest on National Wildlife Day has coordinated by Dr. Deepa P and Daliya. The 20th of September 2023 was a day of mixed emotions, bridging the gap between farewell and fresh beginning. **'Epoch' and 'Euphoria'** were not just events; they were experiences that celebrated the bonds we share and the promising future ahead. As part of the association programme of BCom CA, PG Department of Commerce conducted a campus walk **'Explore Uninature'** to the students for familiarizing the campus plants of the college. Dr. Deepa P. and Ms. Shifa M on 21/9/23. SYLVIE Association, Department of Botany organized a **PICTURE QUIZ** competition as a part of extracurricular activities on 21st September 2023. The event aimed to engage students in a fun and educational way while testing their knowledge of various subjects through visual stimuli. Workshop on **'Grow your own microgreens'** conducted on 26th September 2023. Coordinated by Dr. Deepa P., Hana Backer and Fayiza T. On 5/10/23 **Dr. Kishore Kumar K** inaugurated the research club. Dr. Kishore Kumar began his talk by underlining the critical importance of forest research in the contemporary world.

SYLVIE Association, Department of Botany, KAHM Unity Women's College organized a debate on the topic **"can Artificial intelligence better than Human intelligence"** on 5th October 2023. Third semester MSc students attended a one day workshop on **'Students projects'** on 9th October 2023 at Tropical Institute of Ecological Science, Kottayam. On 19/10/23 Training on office procedures enables the students to streamline processes and establish a perfectly preserved reference that will aid in successful completion of Degree courses. as part of this, Mr. Kanniyan Muhammed Ali, Senior Clerk, KAHM Unity Women's College, Manjeri, delivered a highly informative talk on **'Students based college office procedures'**. Mrs. Muheena Thasneem KT, Psychologist, delivered a talk on **'How to maintain the Mental health'** to B.Sc. Botany (3rd Semester) and M.Sc. Botany (1st and 3rd Semester) students. On 3/11/23 a new approach to botany students given by Dr. Deepa P by **'Earn while you learn'** by the theme **Microgreen Salads: Taste with Fresh**. "Earn while you learn" education combines earning an income with acquiring knowledge and skills simultaneously. PG Department of Botany organized **'Hands-on Training Workshop on Plant Tissue Culture Technique'** on 21st & 22nd November 2023 to familiarize fundamental laboratory setup and micropropagation procedure needed for in vitro plant regeneration

On December 1, 2023, PG Department of Botany organized an orientation session in collaboration with **Enlearn Academy**, specifically tailored for the CUET PG entrance Examination for second and third year BSc Botany students. First Semester M.Sc. Botany students participated in National Seminar on **'Zootonic disease control: Need for ecosystem surveillance on a one health approach'** organized by the Department of Environmental Science, University of Calicut on 4th and 5th December 2023. In connection with the 'Grand Alumni Meet 23-24' **'Priyamanu Unity'** on 13th January 2024, PG Department of Botany conducted the Department Alumni Meet, and honored the KPSC and University Rank holders. On February 23, 2024, the Department of Botany, KAHM Unity Women's College, Manjeri, **inaugurated its association** with Dr. Usman A. The chief guest, Dr. Haris P, Chairperson of the Centre for Tropical Biodiversity Conservation, Malappuram, inaugurated the Association and passionately emphasized the importance of biodiversity and the urgent need for biological conservation. Department of Botany, KAHM Unity Women's College, Manjeri, released the **'(3)20'** magazine on 29th February 2024 for the academic year 2023-24 in a ceremony held at the college auditorium. A community based survey named, "Sow, Grow, Eat" was conducted by the PG Department of Botany in Ward 47, Narukara, under the guidance of faculty coordinator Nahla Zakariya, Assistant Professor Adhoc. . The survey, held on 06/03/2024 at 11:00 AM, aimed to explore the presence and significance of kitchen gardens in households

The Pg Department of Botany has initiated Advanced Learners program entitled **CSIR-UGC NET/JRF Coaching Programme** on 14th November 2023. Classes were started 14th November 2023 onwards from 2.40 pm to 3.40 pm on every working day. It is coordinated by Ms Surya E V and Ms

Sudheesha K. The department has conducted various **Alumini lecture series** on the enrichment of the department and interaction between students. On 30th October 2023 PG Department of botany conducted **Alumni talk: talk on 'Hurdles and how to prepare'**. The talk was delivered by Ms. Sudheesha k, assistant professor (Adhoc), P.G. Department of botany. She is an alumni member as she was of the M.Sc. batch 2020-2022. **Alumini Lectur Series 2:** PG Department of botany conducted an alumini talk on **'path to success'** on 23rd November 2023 at botany lab. The talk was delivered by Ms. Asla K an alumini member of 2020-22 of Msc botany. Who has secured first rank in HAS examination conducted by kerala PSC. Department of botany conducted an **online alumini talk on meeting with a polyhistor**. Delivered by Mrs. Inthisha K T, who is a primer science teacher at new Indian model school, dubai. She is a youtuber and a baker who also used to sell baked goods. On 18th March 2024, PG Department of Botany organized an Inter-Departmental Alumni Talk on **'Yoga for Health and Happiness'** in connection with International Day of Happiness, 20th March 2024. . The session began with an introductory speech on 'Yoga Awareness' by the resource person, Lt. Loosiya K.P., Assistant Professor Adhoc, PG Department of Home Science.

As Part of **Environment day and wetland day celebrations** On 5-6-2023 the department of botany organized celebration **'walk with green'**. Successfully promoted environmental awareness and sustainability among students. On 8-6-2023 the department organized ecofriendly paper **seed pen making workshop** to all UG and PG students. On 9-06-2023 organizes **'setting up of an Orchidarium'** with the theme "Beat plastic pollution" encourages awareness and action for the protection of the environment and is a reminder of people's action on plastic pollution.

Dr Faseela P, assistant professor, Post graduate department of botany KAHM Unity women's college has published a book entitled **"Phytohormones At a Glance"** at national level with ISBN/ISSN number 978-93-6013-397-9 at the year 2024. **Dr Faseela P**, Assistant professor, department of botany published a review article entitled "Paradoxical effects of nanomaterials on plants: Phytohormonal perspective exposes hidden risks amidst potential benefits" in the journal plant physiology and biochemistry. The journal is an international level with ISBN/ISSN number of 0981-9428

From 2022 itself our department is making **the news letter**. Ms. Sudheesha K has taken incharge for news letter in this academic year. As PG Department of botany has progressing to the research centre the entire department is shifted to new building with better resourses and Upgraded the lab with more facilities for students and department library with many standard reference book. On 22-12-2023, the first semester students of the PG Department of botany orchestrated the vibrant **'Flavor Fiesta'** alongside the college Christmas celebration. The event showcased an array of culinary wonders, ranging from diverse juices to appetizing snacks, delightful desserts and fulfilling main courses. Faculty coordinator Nahla Zakariya along with student coordinator Zeva khan coordinated this fest