

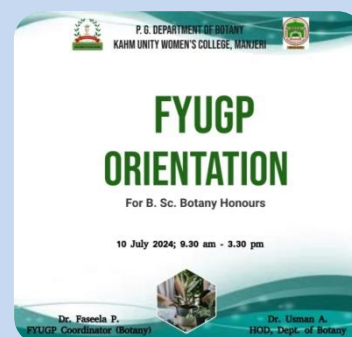
International Hansatech Research Award handover ceremony

Dr. Faseela P, Assistant Professor, Department of Botany, KAHM Unity Women's College, Manjeri, ceremoniously handed over the prestigious International Hansatech Research Award i.e., a Pocket PEA instrument, Photosynthetic Efficiency Analyzer, rapid screening continuous excitation ultraportable chlorophyll fluorescence measurement system from Hansatech Instruments, King's Lynn, UK to Prof. Dr. Muhammed Basheer Ummathur, Principal of the college. This instrument has received as an International Award for obtaining the highest number of citations in WOS among the articles of the Special Issue in the International Journal Photosynthetica, Academy of Sciences of the Czech Republic, entitled as 'Chlorophyll a fluorescence parameters as indicators of particular abiotic stress in rice'. This award, valued at 1.5 lakhs, marks a significant achievement in the study of photosynthesis and plant science. The handover ceremony was attended by Dr. Usman A, Head of the Department of Botany, along with other faculty members and enthusiastic students from the Botany Department. The Chlorophyll Fluorometer is an advanced instrument crucial for assessing photosynthetic efficiency and other fluorescence parameters in living plants, thereby enhancing research capabilities in botanical sciences at KAHM Unity Women's College. This award not only recognizes academic achievement but also reinforces KAHM Unity Women's College's position as a hub for innovative botanical research and education in the region, inspiring future generations of botanists and researchers to explore new frontiers in plant biology.



Manjeri, KL, India
Ernad, Manjeri, 676122, KL, India
Lat 11.130269, Long 76.083615
07/02/2024 12:24 PM GMT+05:30
Note - Captured by GPS Map Camera

FYUGP Orientation Programme for First-Year B.Sc. Botany Honours



On July 10, 2024, the Department of Botany conducted a comprehensive orientation programme tailored for the incoming first-year B.Sc. Botany Honours students. The programme commenced with an inaugural address by Dr. Usman A., HOD, Department of Botany who provided an insightful overview of the FYUGP programme, emphasizing its structure and academic objectives. This introduction was crucial in setting the stage for the student's academic journey, outlining the opportunities and challenges that lie ahead. Dr. Faseela P., Assistant Professor proceeded to elucidate the course basket system integral to the FYUGP, detailing how it facilitates the selection and organization of courses across various disciplines. Following this, Dr. Deepa P, Assistant Professor, delved into the specifics of the major course in Botany within the FYUGP curriculum. FYUGP orientation session equipped students with a deeper understanding of the core subjects and expectations within their chosen field, ensuring they were well-prepared to embark on their academic journey.



The orientation programme also provided a platform for student engagement, where individuals introduced themselves and raised pertinent questions regarding the FYUGP. The event, coordinated by Dr. Faseela P., the Department's FYUGP coordinator aimed to familiarize the newcomers with the intricacies of FYUGP.



The Erudite - Scholar in Residence Program of Rs. 3,03,664/- for Erudite Scholar (Dr. Jason C White, New Haven, CT, US) submitted by Dr. Faseela P., Assistant Professor, Department of Botany approved by KSHEC, Thiruvananthapuram.



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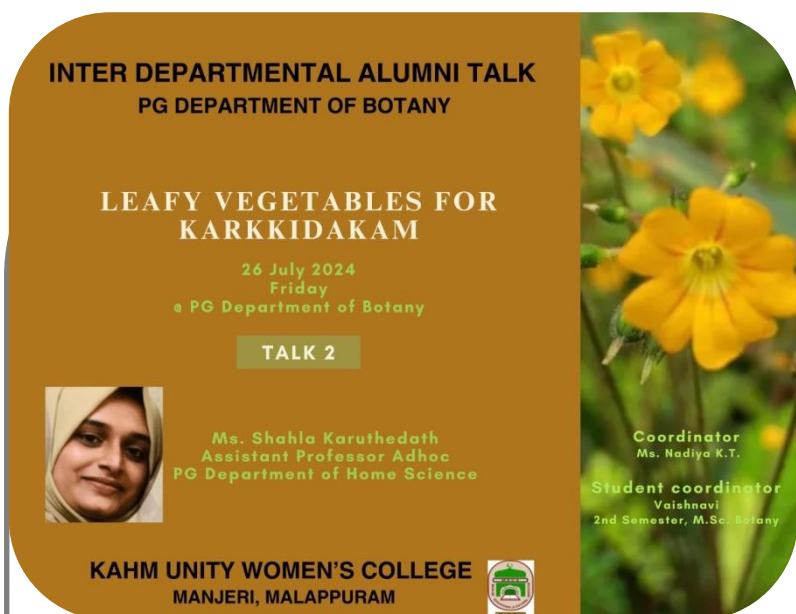
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Inter Departmental Alumni Talk, 2024-2025 'Leafy Vegetables for Karkidakam'

On 26th July 2024, the Alumni Association of PG Department of Botany, KAHM Unity Women's College, organized a highly informative talk by Shahla Karuthedath, an esteemed alumni member of PG Department of Home Science, on the topic of leafy vegetables traditionally consumed during Karkidakam, the last month of the Malayalam calendar, as part of Inter Departmental Alumni Lecture Series. Shahla Karuthedath, known for her extensive knowledge of traditional practices and nutrition, provided valuable insights into the significance and health benefits of the leafy greens to UG and PG students of the Department.

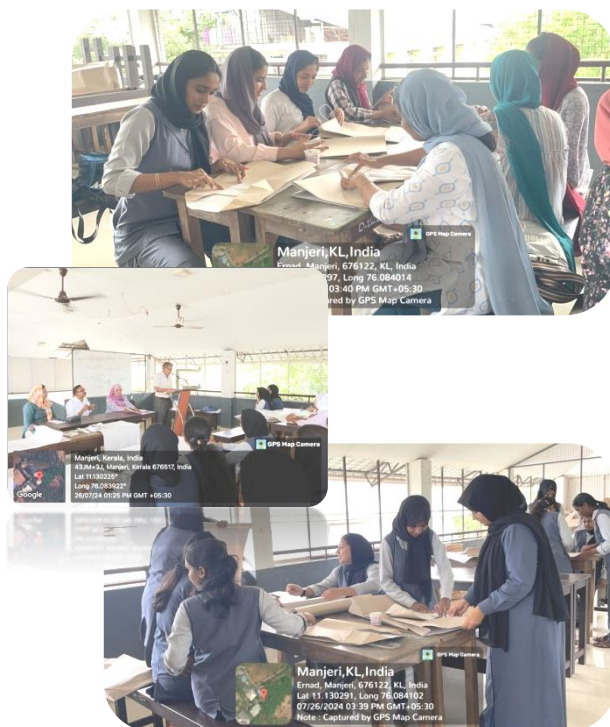
The event began by explaining the cultural and historical importance of Karkidakam, the month of rejuvenation, a period marked by monsoon rains, during which the body and mind are believed to require special care and nourishment. Leafy vegetables play a crucial role in the dietary practices of this month, offering a range of health benefits that are particularly important during the rainy season. The illuminating talk highlighted the various leafy vegetables commonly consumed during Karkidakam, such as Moringa Leaves, Curry Leaves, Spinach, Amaranth Leaves, Fenugreek Leaves, Choriyanam Leaves etc. and elaborated on the specific health benefits of these leafy vegetables. To make the session more engaging, the resource person shared some traditional recipes that incorporate these leafy vegetables, and demonstrated how these greens can be used in various dishes such as Thoran, Leafy Green Smoothies, Karkidaka Kanji etc.



'Eco Bag Design Lab'



On 26th July 2024, the KAHM Unity Women's College, Manjeri, witnessed a significant event with the inauguration of the "Eco Bag Design Lab." This paper bag making unit, established under the Bhoomithrasena Club in association with Women Cell, aims to promote sustainable practices, empower students with practical skills in eco-friendly product design and to earn while learn.



The programme's primary objective was to produce eco-friendly paper bags, crafted by our diligent women cell and Bhoomithrasena Club students, which will be utilized for the distribution of uniforms for the first year students in this year onwards. The principal Prof. Muhammed Basheer Ummathur inaugurated the activities of women cell for the year 2024-25 held at the NRSC Annex, commenced at 01.20 PM. The inauguration of 'Eco Bag Design Lab', with Er. O. Abdul Ali, the esteemed Manager of KAHM Unity Women's College officiating the event. The principal highlighted the importance of sustainable initiatives and praised the collaborative efforts of the Women Cell in bringing this project to fruition.

In his inaugural address, the Principal emphasized the growing need for eco-friendly alternatives to plastic and how such initiatives align with global environmental goals. Felicitation was given by Dr. Shahinamol A.K., IQAC coordinator and the program was coordinated by Suhada K.M., Women Cell coordinator and Dr. Faseela P., Bhoomithrasena Club coordinator, KAHM Unity Women's College, Manjeri.



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the Chlorophile

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'Fungal Foraging for Beginners' Biodiversity Club & PG Department of Botany

The presence of diverse fungal communities within the campus environment indicates a healthy and well-balanced ecosystem that contributes to soil fertility, plant health and overall ecological resilience. Fungi fulfil essential roles such as decomposition, nutrient cycling and symbiotic relationships with plants, influencing overall ecosystem health. In an effort to understand the fungal diversity within the campus of KAHM Unity Women's College, Manjeri, a systematic survey 'Fungal Foraging for Beginners' conducted by Biodiversity Club in association with PG Department of Botany, on 08 July 2024. The event coordinated by Deepa P., Surya E.V. and Ayisha Febin P.N., of PG Department of Botany. The primary objective of the event was to engage students in hands-on research and deepen their understanding of Mycology. The programme commenced with an introductory workshop on fungal identification techniques, led by Deepa P., Assistant Professor Adhoc, PG Department of Botany. Following this, participating students were divided into teams and assigned specific areas of the campus to survey. Each team was equipped with necessary tools such as camera and collection tools and kits. Over the course of the programme, participants conducted regular field expeditions to collect fungal specimens. They meticulously documented the location, habitat and physical characteristics of each specimen using photography and detailed notes. Forty-one species were carefully handled and stored at Department of Botany to ensure the preservation for further study and analysis. In conclusion, the fungal hunting programme proved to be a successful initiative in fostering hands-on learning and research among students. It not only contributed to scientific knowledge about local fungal biodiversity but also promoted environmental awareness within the college community. Moving forward, the insights gained from this programme will serve as a foundation for future studies and conservation efforts related to fungi and their ecosystems.



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Microgreens, the young vegetable greens that are typically harvested at 1-3 inches in height, have gained considerable popularity in recent years. These are a powerful addition to the agricultural and culinary world, offering a combination of high nutritional value, health benefits, culinary versatility and sustainable growing practices. On 26 July 2024, the PG Department of Botany, KAHM Unity Women's College, organized an informative and practical workshop on 'Microgreen metamorphosis: the art and science of microgreens', aimed to enhance the students' knowledge and hands-on experience with cultivating microgreens, a trending topic in sustainable agriculture and nutrition.

microgreens, a trending topic in sustainable agriculture and nutrition. The first session of the event provided valuable insights into the cultivation and benefits of microgreens. Deepa P., Assistant Professor (Adhoc), PG Department of Botany, effectively covered essential topics, equipping participants with the knowledge needed to grow, manage and utilize microgreens efficiently. The session underscored the importance of microgreens in modern agriculture and nutrition, highlighting their potential to contribute to healthier diets and sustainable farming practices. During the hands-on session, students sowed microgreen seeds and monitored their growth for one week. After a period of growth, the microgreens were ready for harvest. Students actively participated in the harvesting process, learning the proper techniques to ensure maximum yield and quality. Once harvested, the microgreens packaged by the students and distributed to various college staff members including administrative and support staff.



CHLORIS: The Bridge Course 2024-25

The PG Department of Botany at KAHM Unity Women's College, Manjeri, organized "CHLORIS: The Bridge Course 2024-25" on the 11th, 12th, and 17th of July, 2024. The program commenced with an inaugural address and a session titled 'Into the World of Plant Science' by Dr. Usman A., Head of the Department of Botany. This session set the stage for the course by providing an introduction to the expansive field of plant science. Following this, Dr. Faseela P., Assistant Professor of Botany led a meditative nature walk through the campus, allowing students to connect with nature and fostering an appreciation for the environment. The final session of the day was 'Applications of Forensic Botany', handled by Sudheesha K., Assistant Professor of Botany. This session highlighted the practical use of botanical knowledge in forensic science, demonstrating how plants can play a crucial role in solving crimes and legal issues.



The second day included four technical sessions. The first session, 'Introduction to Malayalam Language Studies', was led by Dr. Hikmathulla V, Assistant Professor of Malayalam followed by a session on 'Minor Courses-An Overview' presented by Dr. Jamsheena V, Assistant Professor of Chemistry. The third session, 'Green Futures - Career pathways in Botany', was conducted by Shifa M., Assistant Professor of Botany and the fourth session on Navigating success- How to crack Competitive Exams' was led by Surya E. V., Assistant Professor of Botany.

The third day also included four sessions. The first session, 'Plant Propagation as MDC', was led by Dr. Faseela P., Assistant Professor of Botany followed by a session on 'Zoology as a Minor course' presented by Dr. Syed Hamid, Assistant Professor of Zoology. The third session, 'Importance of Physical Education', was conducted by Mr. Hamraz Ahamed, Assistant Professor of Physical Education and the fourth session on 'Job opportunities in Botany' was led by Nadiya K. T., Assistant Professor of Botany. The "CHLORIS: The Bridge Course 2024-25" provided a comprehensive introduction to plant science, combining theoretical knowledge with practical experiences to equip students with a solid foundation and enthusiasm for their future studies in botany and the program was coordinated by Dr. Faseela P., Assistant Professor of Botany.



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