

the Chlorophile

Monthly Newsletter of P.G. Department of Botany, Korambayil Ahamed Haji Memorial Unity Women's College, Manjeri - 676122
(Affiliated to University of Calicut, NAAC Re-accredited with B++ Grade, Estd - 1991)

EcoVenture: Nature Camp and Trekking at Karimpuzha Wildlife Sanctuary,



The Bhoomithrasena Club of KAHM Unity Women's College, Manjeri, successfully organized a Nature Camp and Trekking event at Karimpuzha Wildlife Sanctuary, TK Colony, Pookottumpadam, Malappuram, on 17th December 2024. The program was sponsored by the Kerala Forest Division and the Social Forestry Extensive Division, Kozhikode. The inauguration was graced by the presence of Mr. V. M. Sadikali, an acclaimed wildlife photographer, who inspired the attendees with his insights into the natural world. This was followed by an engaging nature awareness session led by Mr. Ameen Ahsan, Section Forest Officer, and Mr. P. M. Ayooob, Beat Forest Officer, who shed light on the significance of biodiversity conservation and the vital role forests play in sustaining life on Earth. A highlight of the camp was a 3-kilometer trekking expedition through the serene and biodiverse trails of the Karimpuzha Wildlife Sanctuary. This journey was meticulously guided by Mr. Vinod D and Mr. K. Prakash, Beat Forest Officers, along with Mr. Ali, a Forest Guide. The event saw enthusiastic participation from 48 students representing various departments of the college, making it a resounding success. The camp was coordinated by Dr. Faseela P, Bhoomithrasena Club Coordinator, Mrs. Shifa M, Joint Coordinator, and Sana V, a fifth-semester BSc Botany student.



Mushroom Culture Workshop



The PG Department of Botany, KAHM Unity Women's College, Manjeri, organized a workshop titled "**Mushroom Culture: Mycelium Mastery - Turning Spores into Bountiful Harvests**" on 10th December 2024. Coordinated by Ms. Shifa M. and student coordinator Ms. Daliya T.P., the event provided practical knowledge on mushroom cultivation techniques and their economic potential. The workshop highlighted the importance of mushrooms as a sustainable food source and a viable business or home venture for students. Participants gained insights into substrate preparation, mycelium growth, and sustainable farming practices. The program was well-received and inspired students to explore mushroom cultivation as an entrepreneurial opportunity.



Vegetable garden

Under the guidance of botany department 5th semester B.Sc. Botany students planted the Seedlings at the college vegetable garden. The activity provided them with practical knowledge of horticulture and the importance of growing fresh and healthy produce. The students showed great enthusiasm and dedication throughout the process.



Manjeri, Kerala, India
Ernad, Manjeri, 676122, Kerala, India
Lat 11.130594, Long 76.082800
12/02/2024 02:52 PM GMT+05:30
Note : Captured by GPS Map Camera



Student Coordinator
Ayiasha Febin P.N.
PG 1st Semester Botany

Designed by
Sudheesha K.
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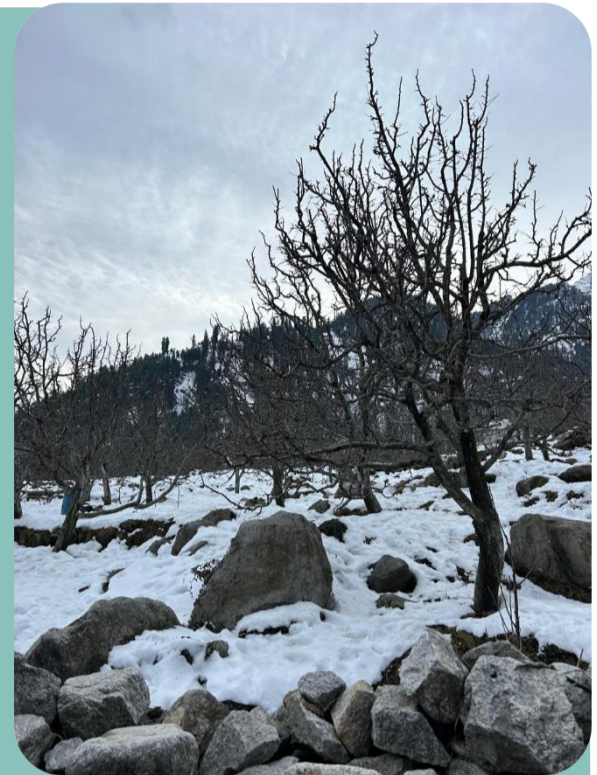


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Field trip to Agra, Delhi, Kullu and Manali



PG Department of Botany at KAHM Unity Women's College, Manjeri, organized an enriching field trip for Sixth-Semester B.Sc. Botany students to Agra, Delhi, Kullu and Manali from 28th December 2024 to 6th January 2025. The aim of the trip was to understand and observe the correlation between environmental factors and vegetation types in different states. The trip provided students with an opportunity to explore and study diverse vegetation types, soil profiles and agricultural practices in these regions.



The ecological variations and the influence of environmental factors on vegetation were distinctly observed, offering valuable insights into the dynamic relationship between plants and their habitats. This hands-on experience enhanced the student's understanding of plant ecology, biodiversity and environmental adaptation, complementing their theoretical knowledge.

Visit to National Institute of Plant Genome Research (NIPGR), Delhi

PG Department of Botany at KAHM Unity Women's College, Manjeri, organized an educational visit to the National Institute of Plant Genome Research, Delhi, on 3rd January 2025 for Sixth-Semester B.Sc. Botany students. The visit aimed to provide students with exposure to advanced research in Genomics, Molecular Biology and cutting-edge methodologies. The institution's faculties introduced the students to its history, highlighted significant past and ongoing research projects, and discussed the current advancements in genomic studies. They also guided the students through the operational mechanisms of various instruments and technologies used in genomic research, offering practical insights into modern tools and techniques. This experience effectively bridged the gap between theoretical knowledge and its practical applications, inspiring students to explore innovative fields in Plant Science and Biotechnology while broadening their academic and research horizons.



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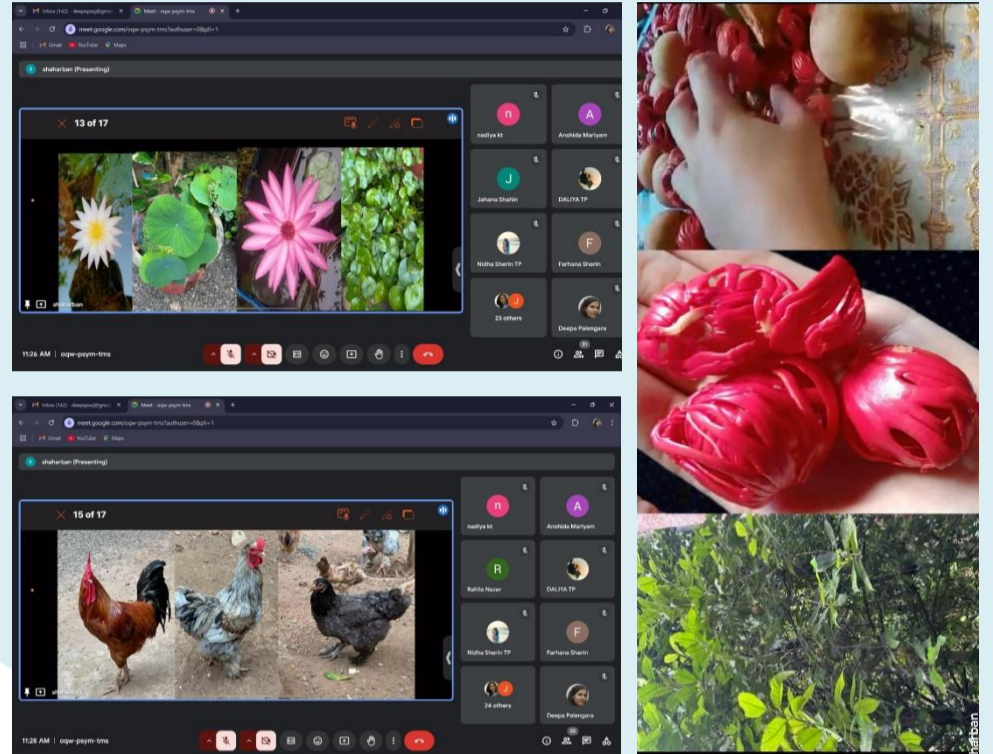
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Gardening for Good: Cultivating a Greener Future

On 21st December 2024, PG Department of Botany hosted the Fifth Session of its Alumni Lecture Series, titled 'Gardening for Good: Cultivating a Greener Future'. The session featured Ms. Shaharban C., an accomplished alumna of the 2021-2024 B.Sc. Botany batch who is currently pursuing her M.Sc. in Applied Plant Science at Calicut University Campus. As a passionate farmer and budding entrepreneur, Shaharban has successfully integrated the Botany knowledge into her lifestyle, cultivating a wide range of economic crops at home and raising pets with scientific precision. During the talk, she shared her personal journey and experiences, focusing on sustainable farming techniques and innovative agricultural practices. The inspiring session offered students practical insights into farming and entrepreneurship, encouraging them to pursue similar endeavours in their academic and personal lives.



Seminar at the University of Calicut on 16th December 2024

The seminar, focused on the advanced techniques and applications of chlorophyll fluorescence, offered an in-depth understanding of its significance in studying various stress responses in plants. Dr. Gert Schansker, Application Scientist at Heinz Walz GmbH Germany delivered the session on the theoretical foundations and practical applications of chlorophyll fluorescence techniques. The seminar included hands-on demonstrations of instruments like pulse-amplitude modulation (PAM) fluorimeters. Students actively participated in the seminar through interactive sessions, where they posed insightful questions and discussed experimental methodologies. Their enthusiasm was evident during the hands-on activities, where they learned to operate advanced instruments and interpret fluorescence data. The seminar was an invaluable learning opportunity, equipping students with both theoretical knowledge and practical skills essential for their academic and research endeavors in plant sciences.



PBR PROJECT, KOOTLANGADI GRAMA PANCHAYAT

PG Department of Botany and Biodiversity Club of KAHM Unity Women's College, Manjeri, partnered with Koottilangadi Grama Panchayat, Malappuram, to prepare the People's Biodiversity Register (PBR), a project sanctioned by the Kerala State Biodiversity Board (KSBB), Thiruvananthapuram. Fifth-semester B.Sc. Botany students (2022–2025 Batch) initiated the project on 21st December 2024, working in collaboration with the District Coordinator of Malappuram (KSBB), Mr. Anil Pulliyil, and Panchayat members. The project aims to document the region's ecosystem diversity and compile a comprehensive inventory of its floral and faunal resources. Through their active involvement, the students contribute meaningfully to biodiversity conservation while gaining valuable practical experience in ecological research and documentation. This initiative highlights the significance of community collaboration in safeguarding and sustaining natural resources for future generations.



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