

KKTM GOVT COLLEGE

DEPARTMENT OF BOTANY

ACTIVITIES OF THE DEPARTMENT:2022-2023

Department of Botany, KKTM Govt College continues to maintain an active department in organizing and conducting various activities at both academic as well as non-academic levels with an aim of the overall progress of the students, college as well as the community.

1. ENVIRONMENTAL DAY

We celebrated World Environmental Day on Sunday, June 5th, 2022, by giving a class online on environmental education and conservation by Dr. Nesy E A., HoD of the Department. We asked students to plant a tree near their surroundings and took a photo of the same. The photos of the programme 'Plant a tree' must be shared with the Department mail before 5 pm and also made them aware to protect and grow the saplings for the coming generation.

On the 6th of June, 2022, students were taken to the mangrove forest near the campus to get acquainted with common mangrove plants, other associated flora and fauna and the correlations that exist in a mangrove ecosystem. On the way, they made awareness to local people by holding placards about mangrove conservation. The main objective of this activity is the Protection and Conservation of Wetlands in the Pullut area. The programme was coordinated by Rameena K Jamal, Parvathy H S and Raga R.

2. FERNERY GARDEN MAKING

As a Department always encountering plants, we occasionally made the students develop gardens with medicinal as well as ornamental plants. Instructed students to maintain a fernery garden in the allotted area of the campus and also their own home with various plants. The students of the department actively participated in the activities under the supervision of teachers and lab assistants.

3. CONGRATULATING OUR MERITORIOUS STUDENTS

On 29th Nov 2022 ,11 am we conducted a programme for congratulating our meritorious students of the 2018-2021 batch pass out students. Dr.Nesy E A, HoD did the inauguration and inaugural address, other teachers of the department shared wishes. The lab staffs and all students of the Department gathered at the Botany lab for the programme. Haritha T M secured the first position with 86.83%. Swathy R K & Krishnendhu secured second and third place respectively. We gave trophies and allowed old students to share their memories. First and Second-year students performed various entertaining programmes. The programme ended after giving a vote of thanks by Mrs Rameena K Jamal at 1.30 pm

4. PLASTIC-FREE DEPARTMENT AND CAMPUS-“GREEN GARDEN”

As a plastic free Department who do not use non-recyclable plastics, encourage students and the public to avoid plastics and also promote the usage of cloth bags, steel water bottles and steel glasses etc. On 7th Sep 2022 and 13th Oct 2022, in connection with Nature Club, Botany Students collected plastic waste from various places on campus and sent them to recycling. We promote the reuse of even waste pet bottles by growing plants inside and outside the departments. These pet bottles are made hanging on window panes and verandas with various plants. We collect pet bottles accumulated after a study tour, function etc to do such green activities. Maintain waste bins for separating recyclable and non-recyclable plastic wastes inside the department and in Botany classrooms. Mrs Raga R, Mrs Rameena K Jamal and Parvathy H S were working continuously to maintain these practices within the departments and among students.

5. ONAM CELEBRATION

Our department celebrated Onam, the festival of Kerala in more colours on 31st Aug 2022. “Pookalam competition” along with other colourful competitions arranged for students. Department bagged the second position in the pookalam competition. Teachers and other non teaching staffs have sent onam greetings to students

6. GARDEN CLEANING AND FERNERY MAINTENANCE

As part of the new CBCSS syllabus of Calicut University, our students of the first year actively participated in CSS activities. In connection with that, we allocated time for students on

11th Sep 2022(reopening day after Onam Holidays) for cleaning the garden in front of the main block and also planted the ferns for further propagation. All the students actively participated in the cleaning and at the end they had a little refreshment.

7. MAINTAINING TERRARIUMS & CACTARIUMS

To create an understanding among students about the life cycle pattern of varied plants, to know how they are interacting with each other and finally to develop an empathetic mind for caring the earth, Botany department take initiative to make different types of Terrariums and Cactariums every year. Watching these tiny models of ecosystems will raise awareness on earth and how important is to maintain harmony among organisms. The students of the Botany department made both by getting inspiration from the teachers of the department. The viewers admired and encouraged the students behind this.

8. OZONE DAY CELEBRATIONS

September 16, World Ozone Day was celebrated by the department by conducting an inter-departmental quiz competition on 20th September 2022 from 10.30 to 12.30 pm at Botany Lab. Our Second-year students led the quiz under the supervision of Raga R, Parvathy H S and Mrs Rameena K Jamal. Jeevan Das M S and Ujjwala (Polymer Chemistry) won first prize in the competition.

9. NATIONAL POLLUTION DAY

Dec 2nd National Pollution Control Day was observed by the Department by conducting an Interdepartmental Quiz Competition from 11.30 to 12.30 pm at the Botany lab. Our Third Year students led the competition and winners were selected. Akshay and Kenaz from Maths Dept won first prize. Arya C Vinod and Gopika (Maths) and Shalma and Rebeetha (Chemistry) won second and third prizes respectively.

10. BOTANICO DELICOSA -FOOD FEST

Nature club in association with the Department of Botany had conducted a nature food fest under the title “*Botanico delicosa*” on 1st Nov 2022. The main aim of the food fest was to

create awareness to students and teachers regarding the importance of naturally available food and also to be aware of the harmful effects of junk foods. The fest also focused to promote the eating of green salads as a measure to improve health. The programme was led by II year B.Sc. Botany students with warm cooperation from first-year and second-year students. All of them were given proper guidance from teachers of the Botany department. Our second year students came with prepared organic food from their houses and exhibited the same. The various food include variety of dosas, Puttu, Adas, boiled tubers like tapioca, yams, various green vegetable thoran. In the center of the exhibition hall the students arranged a microgreen table containing a variety of sprouted seeds like Pea, Raggi, Amaranthus, Grams etc. Spot preparation for fried items, juices and fruit salad were the highlights of the exhibition. Our beloved Principal Dr. Nesy E A, inaugurated the food fest by making a green salad and sharing the same with Mrs Rameena K Jamal. The exhibition also sold a variety of green juices like raw Mango juice, Emblica juice, Jambosa juice as new generation health drinks. For large scale sale, tapioca was donated by Dr Nesy E A, HoD of Botany and it was boiled and supplied along with green chilly-onion chutney. The lab assistants Mr. Umesh and Mrs. Mini K R assisted the students for this. Charts were displayed throughout the exhibition hall to enlighten the students regarding the significance of natural food. Most of the Teachers, students and non teaching staff visited the fest and remarked it as a finest activity from the Botany department and nature club. The food fest was over by 2.30pm on the same day. (YouTube: <https://youtu.be/HMTpJnYXZmc>)

11.GREEN SALE

Botany Department in association with Nature club had conducted a sale of vegetable seedlings under the title “Green Sale”. The sale was conducted on the 1st Nov 2022 as an extension wing of food fest. The major purpose of the sale was to promote making of vegetable garden or kitchen garden in each and every house of the students and teachers of KKTU Govt college and thereby develop sustainable agricultural practices among students and teachers as well as to improve their own health by eating pollution and pesticide free vegetables. The sale includes seedlings of brinjal, tomato, chilli, and winter crops like cabbage and cauliflower. Teachers and students from various departments actively participated and purchased seedlings for their home and some of them gave a better feed back after three months of sale by sending photos of fully grown plants in the harvested state.

12. CHRISTMAS CELEBRATION

Department celebrated Christmas by cutting cakes and students participated in crib making, Christmas Carol competitions were organized by College Union on 23rd December 2022.

13. PHOTOGRAPHY COMPETITION IN CONNECTION WITH WORLD WETLAND DAY

As a part of World Wetland Day on February 2, the Botany department conducted a photography competition for the students of all departments. A photo of the wetland along with captions in instructed sizes was collected and selected winners for various prizes offered by the department. The programme is named “Wetland Day Celebrations: Wetland Action for People and Nature”. It helped the students to create awareness of the Protection and Conservation of wetlands in the area along with developing skills in photography with a conservation mind. It was conducted on 02 Feb 2023. A total of 13 were registered, collected photos through the mail. Announced winners for First place Abdullah Misaver Thanveer from IDC Zoology, Second for Fathima Mirsha from IDC Botany, and Third for Abhijith K R from II M A History. Mrs Raga R coordinated the programme.

14. PTA MEETINGS

Botany department regularly conducted Class wise PTA meeting with parents of all students on various dates of the academic year. Department PTA meeting was conducted on 29th Nov 2022, 10 am at the Botany lab. The teachers gave a detailed report of students' achievements in studies, activities and present status. We also encourage the parents to give more care in their ward's studies and advised them to frequently visit the college. We also made individual parents meeting in certain special or emergency situation either directly or over the phone. The parents gave suggestions in their feedback and the department accepts the fruitful suggestions through discussions.

15. FAREWELL PROGRAM FOR THIRD-YEAR STUDENTS

A farewell programme for Third-year students was conducted on 15th April 2023 at Botany Lab. Second year and First year students coordinated the programme. Dr.Nesy E A HoD

inaugurated the programme. Other teachers of the department gave wishes for their future. Students performed various entertainment activities and games. Students organized lunch thereafter. After that various cultural events were there and the programme ended at 3 pm.

16. STUDY TOUR

As per the restructured Credit and Semester System of the University of Calicut, field trips have been made mandatory for the study of Plant Science for the B.Sc. students of Botany discipline. As per the regulations of the University of Calicut, (Ref: Govt. Order No.G3/58399/2022DCE,Dated.22-12-2022) Department of Botany; KKTU Govt. College, a mandatory study tour was conducted from 6th Feb to 9th Feb 2023 for the B.Sc Botany final year students. This study tour gives exposure to the current developments in Science and Technology by providing an opportunity to visit leading Research Laboratories / Plant Breeding Stations. The trip was scheduled from 6th Feb FN to 9th FN. The venue chosen was various places of Munnar, Marayur and Kodaikanal. The tour was meant for the vegetation study and for an Institute visit related to plant breeding and biotechnology. We selected the most favourable and suitable place as Idukki and nearby places for our study tour. The Munnar region is composed of its major attractions such as Tea plantations and the chocolate factory, Tea Factory and Marayur region also with adventurous Trecking. Kodaikanal is imprinted with a chilled climate and beautiful vegetation. The tour team consist of 28 students (23 Girls and 5 boys), One teaching staff, Rameena K Jamal and lab assistant Umesh A.R. The tour imparted the most memorable moments to the life of students. Overall the study tour was very informative. It helps to create awareness about the diversity of plant groups. It also reminded the students about the need for conservation of nature.

OUR FUTURE PERSPECTIVES

- a. To construct and maintain a vegetable garden and tapioca garden on the campus.
- b. Extend Orchid Garden to a large scale cultivation aspect to conduct periodic exhibitions in the campus
- c. To uplift the existing medicinal plant garden with rare and more plants of immense

medicinal properties.

- d. Celebrate Earth Day and Water Day in a more constructive manner through public awareness meetings and classes.
- e. To collaborate with other colleges in their activities of promoting sciences, especially biological sciences.
- f. Making drip irrigation strategies in greenhouses.
- g. To start initiatives for making biogas plants and solar panels for the college
- h. Making the college pond more productive in association with the Zoology department.
- i. Organizing seminars and workshops in advanced sciences like Nanotechnology and Molecular Biology to make students more ambitious in such fields and stepping them towards such areas of science.
- j. Planting fruit trees on the campus in association with KFRI and Mannuthi Agricultural University.
- k. To make our students more nature loving and result-oriented.

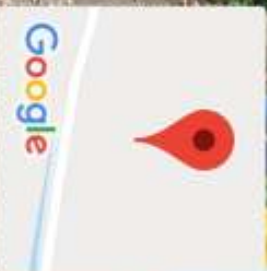
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Field visit to mangrove land on 06/06/2022



Puthenchira, Kerala, India
66QF+Q85, Kombathukadavu-Kodungallur Rd, Puthenchira,
Kerala 680663, India
Lat 10.239606°
Long 76.223314°
06/06/22 10:48 AM



Puthenchira, Kerala, India
66QF+Q85, Kombathukadavu-Kodungallur Rd, Puthenchira,
Kerala 680663, India
Lat 10.2405°
Long 76.222901°
06/06/22 11:03 AM





OBSERVING



Department of Botany

KKTU Government College

ORGANIZES

QUIZ COMPETITION

20/09/ 2022/ 11.30 to 12.30 pm/ Botany lab

Thiruvananthapuram



31-07-2023





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