

# **ANNUAL REPORT 2022-2023**

## **BIODIVERSITY CLUB**

**KAHM UNITY WOMEN'S COLLEGE, MANJERI, MALAPPURAM, 676122**

**(KSBB/BDC/10 079)**



## **VISION**

- Teeming with diverse life, where ecosystems thrive and provide essential benefits for all
- Deeply connected to nature, understanding it's value and actively engage in it's conservation.
- Where humans live in harmony with nature, ensuring sustainable solutions for generations to come.

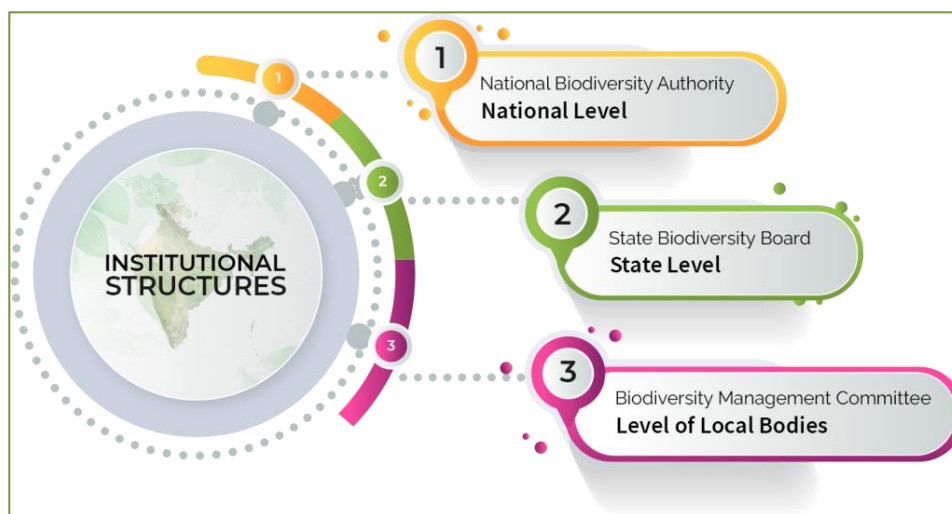
## **MISSION**

- Foster understanding and appreciation for the intricate web of life through engaging activities, workshops, and presentations.
- Take tangible action to protect local ecosystems and endangered species through habitat restoration, citizen science projects, and advocacy campaigns
- Build a vibrant community of passionate individuals committed to biodiversity conservation through collaboration, outreach and mentorship.
- Equip members with the knowledge and skills necessary to become effective stewards of the environment and inspire others to do the same.

# INTRODUCTION

Kerala State Biodiversity Board (KSBB) is planning to establish 'Biodiversity Clubs' in Colleges and other educational institutions in order to implement programmes to conserve biodiversity in a timely manner in accordance with Biodiversity Acts. Club provides a space for people to learn about, celebrate and protect the diversity of life by engaging different activities like educational workshops and talks, field trips and nature walks, conservation projects, community outreach and advocacy. It can be a great way for students to learn about biodiversity, get involved in conservation efforts, and make a difference in their communities; moreover, it can also provide opportunities for students to develop leadership, teamwork and research skills. Biodiversity clubs are important for a number of reasons as represented below.

- **Raise awareness about the importance of biodiversity:** Biodiversity is the variety of life on Earth, includes all living things, from plants and animals to bacteria and fungi. It is essential for the health of our planet, but it is under threat from a number of factors, including habitat loss, climate change, and pollution. Biodiversity clubs help to educate people about the importance of biodiversity and how they can help to protect it.
- **Promote conservation efforts:** Biodiversity clubs can get involved in a variety of conservation efforts, such as planting trees, cleaning up waterways, and restoring habitats. These activities help to protect biodiversity and improve the health of our planet.
- **Provide opportunities for education and research:** Biodiversity clubs can provide opportunities for students to learn about biodiversity through hands-on activities and research projects. This can help to inspire students to pursue careers in conservation or related fields.
- **Build community:** Biodiversity clubs can bring people together who share a common interest in protecting the environment. This can help to build a sense of community and encourage people to take action to protect biodiversity.



The unit of Biodiversity Club was started in KAHM Unity Women's College, Manjeri during the year 2022-2023, focuses on conserving and stabilizing the diversity of nature. The formal inauguration of the Biodiversity Club was done by Dr. Sajeev T.N., Senior Scientist, Kerala Forest Research Institution, Peechi, Thrissur, Kerala, through Google Meet on 26<sup>th</sup> September 2022 at 7.00-8.00 pm and delivered a talk on 'What is at home?'. The club is mainly concentrated on creating knowledge regarding biodiversity conservation strategies and need of ecosystem protection for human wellbeing, among the students. As part of the students-based activities, the club was conducted the day celebrations (World Environment Day), ecosystem conservation concept generating workshops (Preparation and maintenance of Terrarium), events that making spark on rare plant germplasm conservation (Releasing of Endangered Species Illustrated Calander 2023) etc. in the last year which were improved the attitude of students towards the environment protection and biodiversity conservation in the campus.

### Organizational structure of Biodiversity Club

Coordinator	Dr. Deepa P.	PG Department of Botany	
Joint Coordinator	Ms. Anjana K	PG Department of Botany	
President	Shyma VP	BSc. Botany	5 <sup>th</sup> Semester
Vice President	Jumana Jebeen P	BSc. Chemistry	5 <sup>th</sup> Semester
Secretary	Mubashira P	BSc. Family & Community Science	5 <sup>th</sup> Semester
Join Secretary	Husna Marjan OV	BSc. Botany	3 <sup>rd</sup> Semester
Treasurer	Numa Nasrin VP	BSc. Chemistry	3 <sup>rd</sup> Semester

Executive Members	Jalwa UP Shahla KP Rushda KT Shameema AK Mufeeda KV Aiswarya K Sinsiya CT Nishma Hidha Sherin P Lubna V	BA. History BSc. Chemistry BSc. Family & Community Science BSc. Botany BSc. Botany BSc. Botany BSc. Botany BSc. Botany BSc. Botany BSc. Botany	3 <sup>rd</sup> Semester 5 <sup>th</sup> Semester 5 <sup>th</sup> Semester 3 <sup>rd</sup> Semester 3 <sup>rd</sup> Semester 5 <sup>th</sup> Semester 5 <sup>th</sup> Semester 3 <sup>rd</sup> Semester 3 <sup>rd</sup> Semester 3 <sup>rd</sup> Semester
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## LIST OF PROGRAMMES CONDUCTED

Sl. No.	Conducted programmes	No. of students participated	Outcome of the programme
1	Setting of rose Garden	28	1) Students practiced the rose garden setting procedure and it's maintenance 2) Conserved the germplasm of 10 rose varieties
2	Workshop on 'How to make a terrarium?'	48	1) Students practiced the procedure of terrarium preparation and maintenance 2) Students developed a job-oriented practice of 'Earn while Learn' programme 3) Students understood the importance of ecosystem conservation
3	Releasing of calendar illustrated with endangered species	30	1) Students familiarized the endangered plant species of Kerala
4	Talk on 'What is at home?'	110	1) Students got the concept of biodiversity conservation and it's significance in environmental survival
5	Biodiversity Club Logo contest	12	1) Students understood the need of biodiversity conservation in present and future life

## ACHIEVEMENTS OF STUDENTS

Sl. No.	Conducted Programmes	Achievements
1	Setting of rose Garden	1) Students practiced rose garden setting and maintenance procedure
2	Workshop on 'How to make a terrarium?'	1) Students achieved the practice of terrarium making and maintenance procedure
3	Releasing of calendar illustrated with endangered species	1) Students got the awareness about the importance of endangered plant species conservation in Kerala
4	Talk on 'What is at home?'	1) Students familiarized the concepts of biodiversity conservation and the research ideas regarding conservation strategies
5	Biodiversity Club Logo contest	1) Students understood the concept of biodiversity conservation

# ELECTION

Election of club members was conducted on 16<sup>th</sup> September 2022 through Google Meet at 7.00 to 7.30 pm. In the meeting, the club members suggested two events including Logo Design Contest for Biodiversity Club and setting of Rose Garden in campus.

Table 1. Biodiversity Club members, 2022-23

President	Shyma VP	BSc. Botany	5 <sup>th</sup> Semester
Vice President	Jumana Jebeen P	BSc. Chemistry	5 <sup>th</sup> Semester
Secretary	Mubashira P	BSc. Family & Community Science	5 <sup>th</sup> Semester
Join Secretary	Husna Marjan OV	BSc. Botany	3 <sup>rd</sup> Semester
Treasurer	Numa Nasrin VP	BSc. Chemistry	3 <sup>rd</sup> Semester
Executive Members	Jalwa UP	BA. History	3 <sup>rd</sup> Semester
	Shahla KP	BSc. Chemistry	5 <sup>th</sup> Semester
	Rushda KT	BSc. Family & Community Science	5 <sup>th</sup> Semester
	Shameema AK	BSc. Botany	3 <sup>rd</sup> Semester
	Mufeeda KV	BSc. Botany	3 <sup>rd</sup> Semester
	Aiswarya K	BSc. Botany	5 <sup>th</sup> Semester
	Sinsiya CT	BSc. Botany	5 <sup>th</sup> Semester
	Nishma	BSc. Botany	3 <sup>rd</sup> Semester
	Hidha Sherin P	BSc. Botany	3 <sup>rd</sup> Semester
	Lubna V	BSc. Botany	3 <sup>rd</sup> Semester

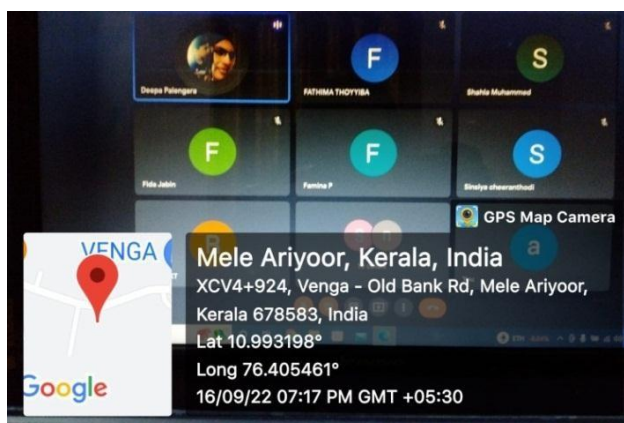


Figure 1. Election of club members through Google Meet.

# INAUGURATION

Biodiversity club (2022-2023) was inaugurated by Dr. Sajeev T.N., Senior Scientist, Kerala Forest Research Institution, Peechi, Thrissur, Kerala, through Google Meet on 26<sup>th</sup> September 2022 at 7.00-8.00 pm. He delivered a talk on ‘What is at home?’. All students of BSc. And MSc. Botany programme were participated in the meet and explored the scientific attitude of the resource person.



Figure 2. Inauguration of the club through Google Meet

**Logo Design Contest:** Fourteen students contributed the logo in which the logo given by Ms. Shyma V.P., Sixth semester BSc. Botany, selected as best one.

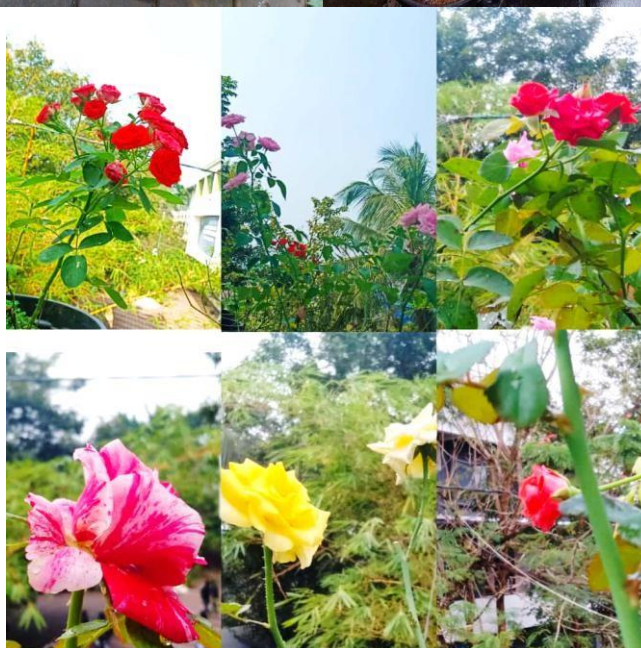
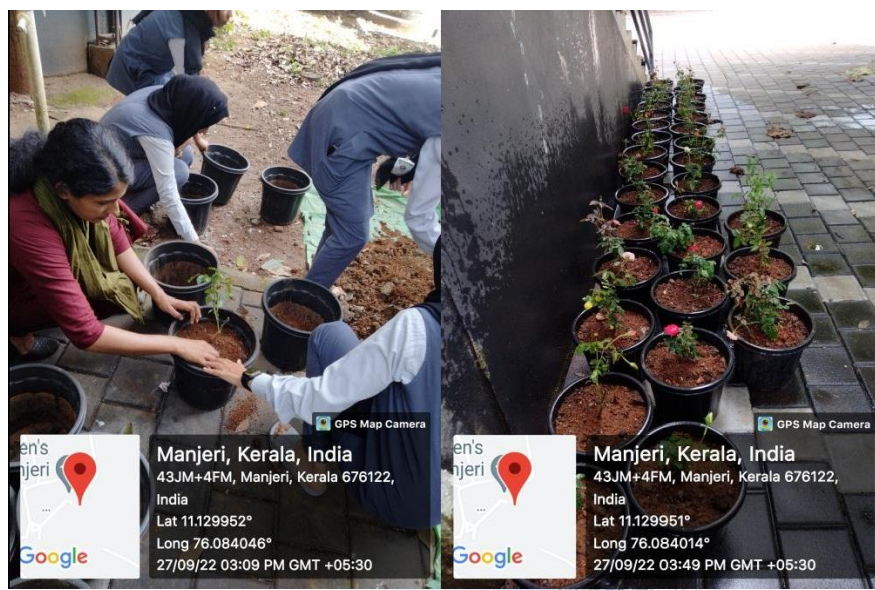


Figure 3. Logo of Biodiversity Club



## SETTING OF ROSE GARDEN

With the help of club members and BSc. Botany students, ten different varieties of rose plants were planted in the college campus. The plants were planted in the potting mixture filled plastic pots of good quality.



1. Shyma xp	Shyma xp
2. Sumna Sebeen p	Sumna Sebeen p
3. Mukashina p	Mukashina p
4. Musna Masjan av	Musna Masjan av
5. Musna Masjan xp	Musna Masjan xp
6. Jolwa xp	Jolwa xp
7. Shabla kp	Shabla kp
8. Ruhiha kT	Ruhiha kT
9. Shameema Ak	Shameema Ak
10. Mafeeda kv	Mafeeda kv
11. Aiswarya k	Aiswarya k
12. Sinalya cr	Sinalya cr
13. Nishma	Nishma
14. Hisha Sherin p	Hisha Sherin p
15. Lukana v	Lukana v
16. Afna M	Afna M
17. Roshida N	Roshida N
18. Johana Shakin p	Johana Shakin p
19. Sumana K	Sumana K
20. Rifa Sherin M	Rifa Sherin M
21. Shifna Sherin	Shifna Sherin
22. Thasneem Tk	Thasneem Tk
23. Nubla Mp	Nubla Mp
24. Fathima Thayyiba k	Fathima Thayyiba k
25. Fathima Rinsba M	Fathima Rinsba M
26. Shikla p	Shikla p
27. Rinsba pc	Rinsba pc
28. Shadiya Thasnim k	Shadiya Thasnim k

Figure 4. Rose garden setting in the campus

# WORKSHOP ON 'HOW TO MAKE A TERRARIUM?'

The workshop was conducted on 16th January 2023 at Department of Botany. All club members and students of BSc and MSc Botany were participated in the workshop. The students explored the methodology of terrarium preparation and also the secrets of keeping it lively for a long time as the form of tiny closed nature that maintains a balanced ecosystem with in the glass vials. The prepared terrarium handed over to the Principal, KAHM Unity Women's College, Manjeri for maintaining in the college.

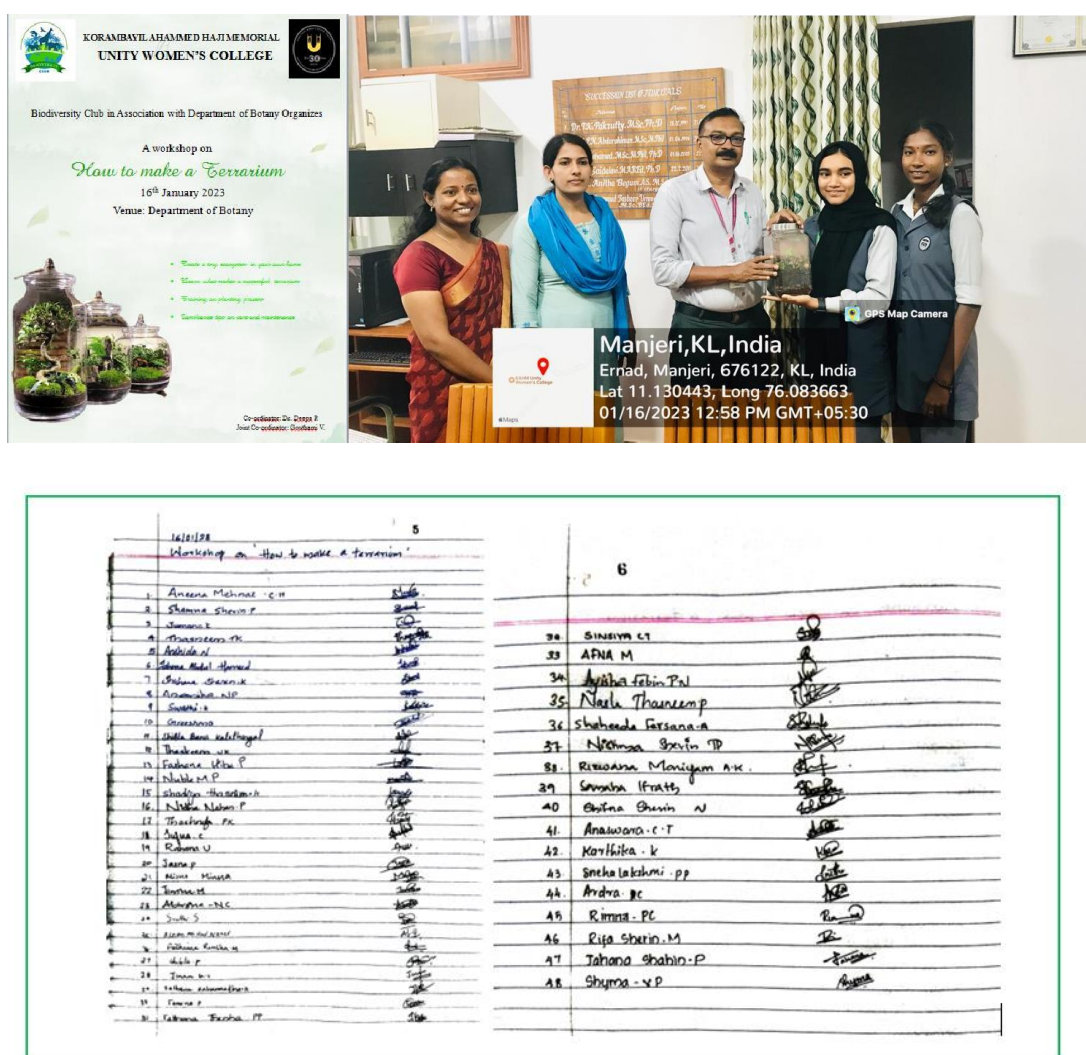


Figure 5. Handing over of prepared terrarium to the college Principal

## RELEASING OF CALENDAR ILLUSTRATED WITH ENDANGERED SPECIES

Ms. Karthika, sixth semester BSc Botany, was illustrated 12 endangered species of plants and included in the calendar of 2022-23 year. It was released on 02<sup>nd</sup> February 2023 by Jamsheer, Tahasildar, Pulpatta Panchayath, Malappuram. The endangered species which included in the calendar, are *Ensetesu superbum* (Roxb.) Cheesman, *Decalepis hamiltonii* Wight & Arn., *Euphorbia vajravelui* Binojk. & N.P.Balacr., *Hedyotis hirsutissima* Bedd., *Desmos viridiflorus* Saff., *Humboldtia unijuga* Bedd., *Saraca asoca* (Roxb.) Willd., *Senecio multiceps* N.P.Balacr., *Pterocarpus marsupium* Roxb., *Cinnamomum sulphuratum* Kurz, *Cajanus lineatus* (Wight & Arn.) Maesen, *Crotalaria grahamiana* Wight & Arn. and *Exacum atropurpureum* Bedd.



Figure 6. Endangered species illustrated calendar  
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