

HOLY CROSS COLLEGE, AGARTALA

Department of Botany

Report on

Educational Tour cum Excursion to Baba Agro Nursery **Pata Bazar, Boro Ammtoli, Bamutia, Tripura**

Organized By-

Department of Botany, Holy Cross College, Agartala

Date: 09.07.2024

Botanical studies of a local region are not only of a didactic value, but they are also the source of information for students on the diversity of nature and the necessity for the protection of the region they live in. Going outdoors, visiting nearby and farther surroundings (on their way from home to institute, on playgrounds, sightseeing sites etc.), students, together with their teachers, can observe the principal properties, record and collect plants or analyze and describe plant communities and vegetation of the given region.

Field study is an essential part of Botany, as plants are best studied in their natural habitat. The students are exposed to the plant kingdom and get practical knowledge of different species of plants, such as herbs, shrubs, climbers, and trees. The college provided transport facilities for the students and faculty, and in total, 2 buses were taken for the trip.

Participants :

- Students: 86 [Botany (Honours and General), 4th Semester]
- Faculty: 4 Faculty members and 1 Lab assistant; Department of Botany, Holy Cross College,

Details of the Visit :

A field study was organized for the 4th semester Botany (Honours & General) students of Holy Cross College, Agartala, to Baba Agro Nursery on 9th July, 2024. The nursery is renowned for its extensive collection of ornamental plants, medicinal plants and a variety of horticultural species, making it an ideal location for botany students to enhance their learning. The objective of the field study was to provide students with practical exposure to nursery management and plant propagation techniques and to observe a variety of plant species in a controlled environment. The visit aimed to bridge the gap between theoretical knowledge and practical applications in the field of botany.

Activities Conducted :

1. Introduction to Nursery Management:

- ✓ The students were given a comprehensive overview of nursery operations, including plant propagation methods such as seed sowing, cutting, layering and grafting etc.
- ✓ The nursery staff explained the importance of maintaining optimal environmental conditions for plant growth and discussed the various challenges faced in nursery management.

2. Plant Species Observation:

- ✓ Students were divided into smaller groups to observe and document different plant species. Each group was tasked with identifying the botanical names, families and uses of the plants observed.
- ✓ The students noted down morphological features, growth patterns and any distinct characteristics of the plants.

3. Interactive Session with Nursery Experts:

- ✓ An interactive session was held where students had the opportunity to ask questions related to plant care, pest management and the commercial aspects of running a nursery.
- ✓ The experts also provided insights into the propagation techniques for rare and endangered species maintained at the nursery.

4. Hands-on Experience:

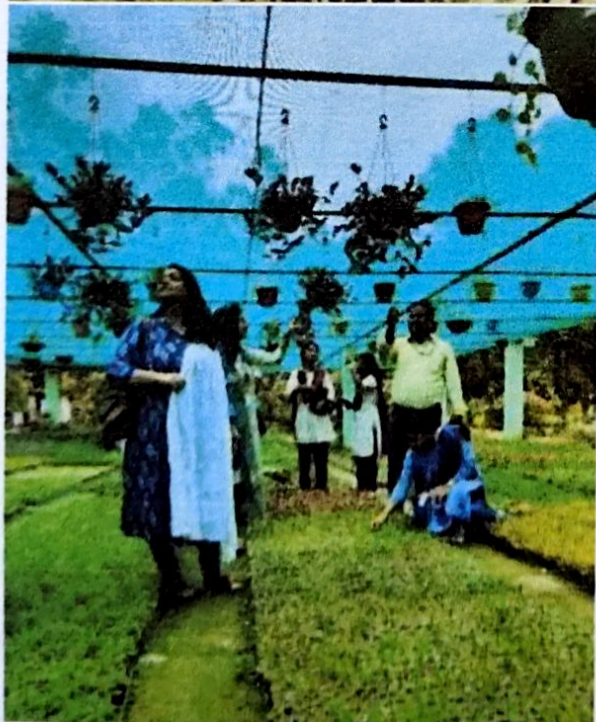
The students participated in a hands-on activity where they practiced basic plant propagation techniques under the guidance of the nursery staff.

Name of some observed species with Family given below:

Psidium guajava (Myrtaceae), *Prunus avium* (Rosaceae), *Citrus maxima* (Rutaceae), *Prunus dulcis* (Rosaceae), *Citrus sinensis* (Rutaceae), *Annona reticulata* (Annonaceae), *Rosa* sp (Rosaceae), *Ananas comosus* (Bromeliaceae), *Aloe vera* (Liliaceae), *Tamarindus indica* (Fabaceae), *Vanilla planifolia* (Orchidaceae), *Citrullus lanatus* (Cucurbitaceae), *Selenicereus undatus* (Cactaceae), *Nephelium lappaceum* (Sapindaceae), *Begonia coccinea* (Begoniaceae), *Anthurium andraeanum* (Araceae), *Cosmos sulphureus* (Asteraceae), *Cupressus macrocarpa* (Cupressaceae), *Dracaena fragrans* (Asparagaceae), *Dracaena hyacinthoides* (Asparagaceae) etc.



Pictures: Educational Tour cum Excursion to Baba Agro Nursery on 09.07.2024



Pictures: Educational Tour cum Excursion to Baba Agro Nursery on 09.07.2024



Pictures: Educational Tour cum Excursion to Baba Agro Nursery on 09.07.2024

Observations and Learning Outcomes

- ❖ The students gained practical knowledge of nursery management and plant propagation techniques, which are essential skills for any botanist.
- ❖ The visit allowed students to observe a wide variety of plant species and understand their growth requirements in a controlled environment.
- ❖ The interactive session enhanced the students' understanding of the challenges faced in nursery management and the commercial viability of horticulture.
- ❖ The hands-on experience provided the students with confidence in applying theoretical knowledge to practical situations.

Conclusion

The field study at Baba Agro Nursery was a successful and enriching experience for the 4th semester Botany Honours and General students. The visit provided them with valuable insights into nursery management, plant propagation, and the diversity of plant species. The participation of faculty members and the lab assistant ensured that the students were guided effectively throughout the visit. Such field studies are instrumental in enhancing the practical knowledge of students and should be encouraged in the future.

Prepared By-

Suman
15/07/24

Dr. Somnath Kar
Assistant Professor
Department of Botany
Holy Cross College, Agartala

Suman
15/07/2024

HoD, Department of Botany
Holy Cross College, Agartala

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA

To,
The Principal
Holy Cross College
Lembhucherra, Agartala

Subject: Permission for an educational tour cum excursion to Baba Agro Nursery, Pata Bazar, Boro Ammtoli, Bamutia, Tripura on 09.07.2024.

Respected Father,

With due respect, I would like to inform you that the Botany Department is going to organize a Field trip to Baba Agro Nursery, Pata bazar, Boro Ammtoli, Bamutia, Tripura on 9th July 2024 for 4th semester Botany Honours and General students (91 students). This would be an Educational trip and an excursion, making it an opportunity for the students to attain knowledge and real-time exposure. So, we need your permission as it is compulsory for Botany Honours and General Students. May I also request to provide a transport facility for students and faculties.

So, I pray and hope you will be kind enough to grant permission.

Thanking you,

With regards,

Date: 5th July, 2024

Approved
[Signature]
08.07.2024
PRINCIPAL
HOLY CROSS COLLEGE
AGARTALA

Yours faithfully,

Debasree Lodh
05/07/2024

(Dr. Debasree Lodh)

HOD

Department of Botany

Holy Cross College, Agartala

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA

DEPARTMENT OF BOTANY
HOLY CROSS COLLEGE, AGARTALA

Field Visit

to

Baba Agro Nursery, Pata Bazar, Boro Ammtoli, Bamutia, Tripura

Date: 09.07.2024

Attendance List- 4th Semester Students

Botany (Honours)			
Sl. No.	Roll No.	Name of the Student	Signature
1	221500900	Amrita Debbarma	Amrita Debbarma
2	221500908	Arghamita Baidya	Arghamita Baidya
3	221500918	Hamari Debbarma	Hamari Debbarma
4	221500919	Hamari Jamatia	Hamari Jamatia
5	221500920	Hambara Debbbarma	Hambara Debbbarma
6	221500922	Himani Chakma	Himani Chakma
7	221500924	Jagriti Dhar	Jagriti Dhar
8	221500929	Neha Debnath	Neha Debnath
9	221501036	Naiphang Debbarma	Naiphang Debbarma
10	221500940	Rosemita Reang	Rosemita Reang
11	221500945	Selina Singh	Selina Singh
12	221500950	Srayesha Reang	Srayesha Reang
13	221500952	Susmita Sutradhar	Susmita Sutradhar
14	221500953	Susmita Debbarma	Susmita Debbarma
15	221500960	August Debbarma	August Debbarma
16	221500961	Ayush Debbarma	Ayush Debbarma
17	221500963	Biplab Debbarma	Biplab Debbarma
18	221500964	Boyar Debbarma	Boyar Debbarma
19	221500965	Chumui Debbarma	Chumui Debbarma
20	221500968	Ezekiel Debbarma	Ezekiel Debbarma
21	221500982	Sanel Debbarma	Sanel Debbarma

Botany (General)-Zoology Hons Students

Sl. No.	TU Roll No.	Name of the Student	Signature
1.	221500901	Anindita Dey	Anindita Dey.
2.	221500902	Anjel Debbarma	Anjel Debbarma
3.	221500903	Ankita Saha	Ankita Saha
4.	221500907	Ardra Debbarma	Ardra Debbarma.
5.	221500910	Baby Baul	Baby Baul
6.	221500913	Bidushi Datta	Bidushi Datta
7.	221500914	Chandini Reang	Chandini Reang
8.	221500917	Debjani Bhattacharjee	Debjani Bhattacharjee
9.	221500926	Jasly Debbarma	Jasly Debbarma
10.	221500928	Mrinalini Bhattacharya	Mrinalini Bhattacharya
11.	221500931	Pali Debbarma	Pali Debbarma
12.	221500933	Prapti Roy	Prapti Roy
13.	221500934	Pratiksha Deb	Pratiksha Deb
14.	221500936	Purnima Tripura	Purnima Tripura
15.	221500937	Rimi Ghosh	Rimi Ghosh
16.	221500941	Sabrina Debbarma	Sabrina Debbarma
17.	221500948	Sweta Baidya	Sweta Baidya
18.	221500951	Srija Majumder	Srija Majumder
19.	221500956	Vanromawi Darlong	Vanromawi Darlong
20.	221500957	Akash Paul	Akash Paul.
21.	221500958	Anurag Debbarma	Anurag Debbarma
22.	221500966	Colin Subhash Powel Reang	Colin Subhash Powel Reang
23.	221500967	Debalin Debnath	Debalin Debnath
24.	221500970	Khachuk Debbarma	Khachuk Debbarma
25.	221500973	Nelson Jamatia	Nelson Jamatia
26.	221500974	Pohor Tripura	— ABSENT —
27.	221500975	Pratik Chakraborti	Pratik Chakraborti
28.	221500977	Pritanu Dey	Pritanu Dey
29.	221500981	Sahil Singha	Sahil Singha

Botany (General)-Human Physiology Hons Students

Sl. No.	TU Roll No.	Name of the Student	Signature
1.	221500899	Aheli Deb	Aheli Deb
2.	221500904	Antara Mandal	Antara Mandal
3.	221500905	Anusri Sarkar	Anusri Sarkar
4.	221500906	Aparajita Debnath	Aparajita Debnath
5.	221500909	Baarkha Debi Jamatia	Baarkha Debi Jamatia
6.	221500911	Barnalee Ghosh	Barnalee Ghosh
7.	221500912	Benijon Debbarma	Benijon Debbarma
8.	221500915	Debasmita Das	Debasmita Das
9.	221500916	Debina Debnath	Debina Debnath
10.	221500923	Hridi Roy	Hridi Roy
11.	221500925	Jahnabi Jamatia	Jahnabi Jamatia
12.	221500927	Martina Debbarma	Martina Debbarma
13.	221500930	Nilanjana Saha	Nilanjana Saha
14.	221500932	Piyasi Biswas	Piyasi Biswas
15.	221500935	Pratiksha Ghosh	Pratiksha Ghosh
16.	221500939	Riya Paul	Riya Paul
17.	221500942	Sagarika Saha	Sagarika Saha
18.	221500943	Samarpeeta Biswas	Samarpeeta Biswas
19.	221500944	Satarupa Baidya	Satarupa Baidya
20.	221500946	Shanta Das	Shanta Das
21.	221500949	Snigdha Pal	Snigdha Pal
22.	221500954	Tania Sur	Tania Sur
23.	221500955	Trisha Debroy	Trisha Debroy
24.	221500959	Arpan Das	— ABSENT —
25.	221500962	Bibek Saha	Bibek Saha
26.	221500971	Mriganka Datta	— ABSENT —
27.	221500972	Mukut Majumder	Mukut Majumder
28.	221500976	Prayas Deb	Prayas Deb
29.	221500980	Sagar Paul	Sagar Paul
30.	221500984	Shibam Datta	Shibam Datta
31.	221500986	Sohal Mog	— ABSENT —
32.	221500987	Soumyadeep Modak	Soumyadeep Modak
33.	221500988	Soumyadip Pal	Soumyadip Pal
34.	221500989	Supratim Debnath	Supratim Debnath

35.	221500990	Tribijoy Paul	Tribijoy Paul
36.	221501037	Rhythm Adhikari	Rhythm Adhikari
37.	2115000937	Anwesha Roy	— ABSENT —

Botany (General)- B.Sc. General Students

Sl. No.	TU Roll No.	Name of the Student	Signature
1.	221400581	Regal Shree Debbarma	Regal Shree Debbarma.
2.	221400583	Alay Saha	Alay Saha.
3.	221400585	Dinesh Chakma	Dinesh Chakma.
4.	221400587	Md. Uday Khadim	Md Uday Khadim.

Faculty Members

Sl. No.	Name of the Faculty	Signature
1.	Dr. Dipanwita Chaudhuri Sil	Dr. Dipanwita Chaudhuri Sil.
2.	Dr. Debasree Lodh	Dr. Debasree Lodh
3.	Dr. Somnath Kar	Dr. Somnath Kar
4.	Dr. Sudipta Sinha	Dr. Sudipta Sinha.
5.	Mr. Papan Datta, Lab Assistant	Papan Datta


 09/07/2024
HEAD
 Department of Botany,
 HOLY CROSS COLLEGE, AGARTALA