



M.Sc Activities (2023-24)

Name of the Activity: Field Visit to explore local flora (Jakhu Hills)

Date: 25th September, 2023

Report

Objectives

- To acquaint the students with local floral diversity.
- To conduct taxonomic studies which help the students to identify and classify plants into different groups.
- To understand different ecological concepts.
- To explore the medicinal and economic potential of local plants.

Description

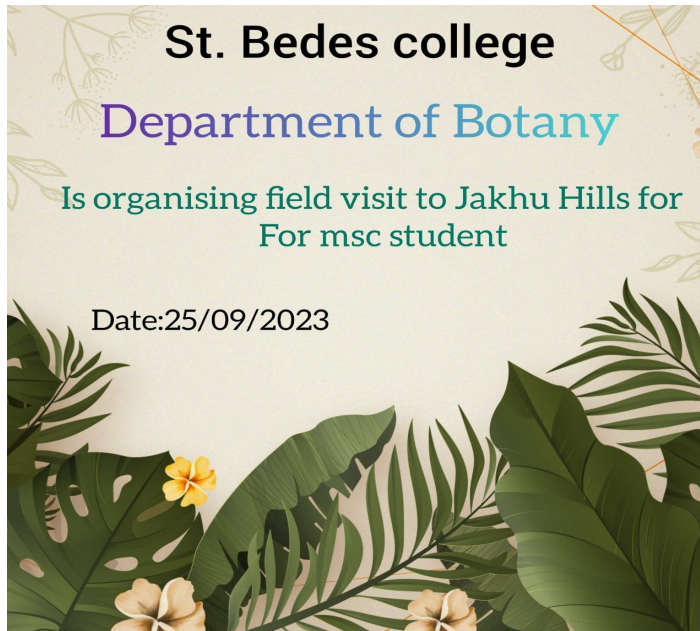
The department of Botany organized a local field visit for M.Sc. students on 25th of September, 2023 to Jakhu Hills. At 11:00 am, 33 students along with faculty members Dr. Kusum and Dr. Sangeeta Sharma went from college premises to Jakhu Hills to explore the local vegetation growing in and around the areas.

Outcomes

Both the teachers acquainted the students with the knowledge of local wild flora of the site. The students studied the plants belonging to different plant groups like Bryophytes, Pteridophytes, Gymnosperms and Angiosperms. Teachers gave information regarding the plant identification, classification and their economic importance. Students saw various useful plants like *Thalictrum foliolosum* (a perennial flowering herb traditional used as treatment for snake bite) another useful plant was *Indigofera* (one of the oldest dye yielding plant and used for treating ulcers, sores etc.) Apart from these, there were plants like *Geranium*, *Selaginella*, *Dryopteris*, *Hedychium*, *Strobilanthus*, *Thuja*, *Arisaema*. The field visit was very insightful for the students. They gained a lot of knowledge about the plant diversity.



*Department of Botany,
St. Bede's College, Shimla*



Local flora exploration



**Name of the Activity: World Food Day Celebration- Skit and Chart Demonstration
(Govt. Primary School, Sanjauli)**

Date: 16 October, 2023

Objectives

- To motivate school children to eat healthy food.
- To spread awareness about water conservation.

Description

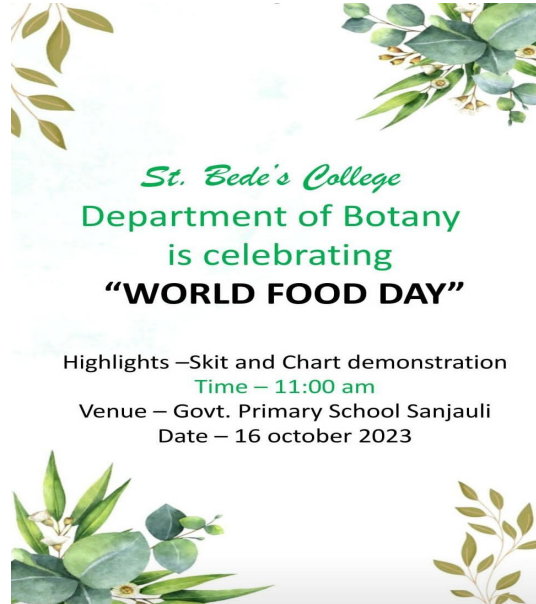
The theme for world food day 2023 was "Water is life, water is food. Leave no one behind." This theme emphasized the crucial role of water in sustaining life on earth and its connection to food sources. The students of M.Sc.-Botany of St Bede's college went to Government primary school Sanjauli on 16th October, 2023 to celebrate World Food Day. At 11:30 students headed to the school and reached the premises of Government primary school Sanjauli around 11:50.

Outcomes

Students gave pictorial presentation and performed a skit to motivate students. With the help of charts they differentiated between healthy and unhealthy food and spread awareness about water content of some vegetables and fruits. After this presentation they performed a skit entitled "Healthy vs. Unhealthy food" which portrayed benefits of eating healthy and ill effects of eating unhealthy /junk food.



*Department of Botany,
St. Bede's College, Shimla*



Highlights – Skit and Chart demonstration
Time – 11:00 am
Venue – Govt. Primary School Sanjauli
Date – 16 October 2023



World Food Day celebration



Activity: Intra-Department Quiz Competition on World Habitat Day

Date: October 3, 2023

Objectives:

- To promote awareness about World Habitat Day and its relevance to the field of botany.
- To test the knowledge and understanding of ecology and environmental concepts among the students.
- To encourage healthy competition and teamwork among the participants.

Description

To celebrate World Habitat Day, the Department of Botany, St. Bede's College organized an intra-department quiz competition on the topic 'Ecology and Environment'. This initiative aimed to enhance the understanding of our environment and its significance in the context of sustainable habitat.

Five teams from B.Sc. and M.Sc. Botany participated in the quiz competition. The competition comprised three rounds i.e. Multiple-Choice Question Round, Direct Question Round and Audio-Visual Round. Participants were challenged with a diverse set of questions covering various aspects of ecology and the environment. These questions spanned topics such as biodiversity, ecosystems, conservation, and environmental sustainability.

B.Sc. IIIrd team (Priyanka, Samriti and Khusboo) secured the first position. B.Sc Ist year (Deeya, Aastha and Aditi) and B.Sc IInd year (Rhishika, Aahna and Sanyogita) bagged second and third positions respectively.

Outcomes:

Participants and attendees gained a deeper understanding of the global challenges related to habitat conservation and sustainable development. The quiz competition also encouraged participants to think critically and creatively about environmental issues.


In conclusion, the intra-department quiz competition not only served as a platform for celebrating World Habitat Day but also contributed to the overall educational and intellectual development of our students. It reinforced the importance of ecology and environmental conservation and encouraged our students to become active participants in safeguarding our planet's ecological balance.



*Department of Botany,
St. Bede's College, Shimla*

ST. BEDE'S COLLEGE


DEPARTMENT OF BOTANY
IS ORGANIZING AN
INTRADEPARTMENTAL QUIZ
COMPETITION ON
WORLD HABITAT DAY

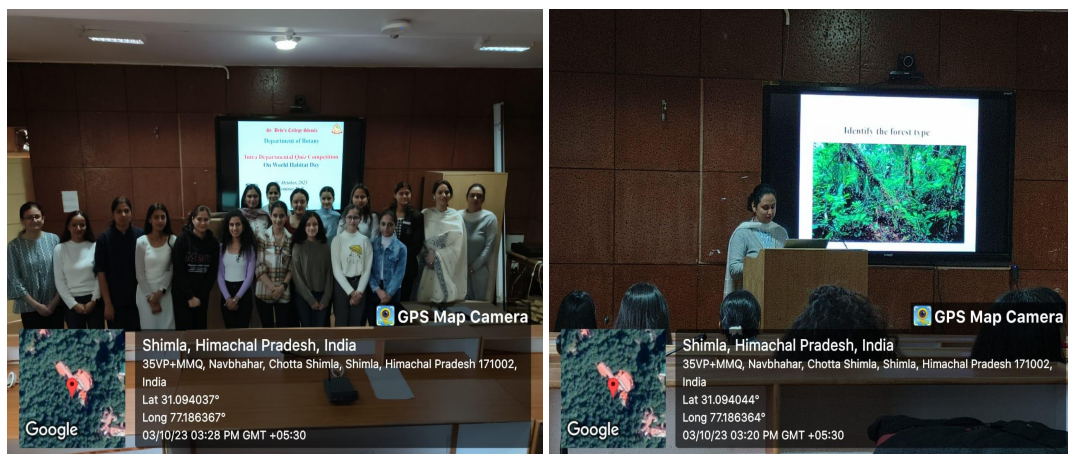


THEME: "RESILIENT URBAN ECONOMIES: CITIES AS DRIVERS OF GROWTH AND RECOVERY"

TOPIC: ENVIRONMENT AND ECOLOGY

DATE: 3 OCTOBER, 2023
VENUE: SEMINAR HALL





Intra-departmental quiz competition

Activity: Educational Visit to Panjab University, Chandigarh

Date: November 8, 2023

Objectives:

- To learn about the process of making herbarium and its relevance to the field of botany.
- To test the knowledge and understanding of criteria to design Botanical gardens.
- To acquire knowledge about different plant families.

Description

The Department of Botany, St. Bede's College organized an educational visit on 8th November, 2023 to Panjab University, Chandigarh for the students of MSc. I and III semester. A group of 32 students along with two faculty members had a goal to enhance the understanding about the significance of Herbarium and Botanical gardens. The students visited “P.N. Mehra Botanical garden” which is named after its founder and spread over 16 acres of land. It is one of the famous botanical garden in the region. There were many special attractions in the garden for the Botany students. There was an Arboretum with about 225 species of trees; a lily pond vegetated with species of *Nelumbium* and *Nymphaea*. There was a cactus-house having more than 100 species of cacti, orchid-house with beautiful orchids and a fern-house grow nearly 50 species of ferns from different parts of India. One of the



Department of Botany, St. Bede's College, Shimla

most astonishing attractions was Bambusetum with around two dozen rare species of bamboos grown from the last 40 years. There was a well-maintained nursery and automated Greenhouse. Overall, the trip was very informative and knowledgeable for the students as well for faculty.

Outcomes

Students gained a deeper understanding of the different types of plant groups and herbarium techniques. They learned about the nursery techniques how to grow, multiply, acclimatize and then transplant plants. The students gained a lot of information and knowledge about conserving and enriching plant bio-diversity through exchange of plant and seeds.

In conclusion, the visit contributed to the overall educational and intellectual development of our students as well as for faculty.





*Department of Botany,
St. Bede's College, Shimla*



Visit to Panjab University-Botanical Garden and Cactus House



Activity: Guest Lecture on “Traditional Ethnobotanical Knowledge of Native Plant Diversity from Himachal”

Resource Person: Dr. Vaneet Jishtu (Scientist, HFRI)

Date: November 29, 2023

Objectives

- To provide important educational experience for students based on real life experiences of resource person.
- Insight and perspective of the resource person
- Interact with professionals in formal and informal settings.

Description

The Department of Botany, St. Bede's College organized a guest lecture on “**Traditional Ethnobotanical Knowledge of Native Plant Diversity from Himachal**” on 29th November, 2023 for Post Graduate and Under Graduate students in the auditorium. The resource person for the guest lecture was Dr. Vaneet Jishtu, Scientist E, ICFRE, HFRI, Panthaghati, Shimla.


Outcomes

Dr. Vaneet Jishtu informed students about the various Ethnobotanical plants of Himachal Pradesh and the ways these plants could be used by mankind. Through his presentation, he acquainted the students with the knowledge of plants that can be used as dyes, food, timber, medicines and other Non Timber Forest Products.


Dr. Jistu emphasized on the importance of Field Visits and interaction with Ethnic communities in the field of Ethnobotany. It was an insightful and informative session.



Department of Botany,
St. Bede's College, Shimla



St. Bede's College
Department of Botany
is organizing
GUEST LECTURE ON
"TRADITIONAL ETHNOBOTANICAL KNOWLEDGE
OF NATIVE PLANT DIVERSITY FROM HIMACHAL"
for M.Sc. and B.Sc. Students



Resource Person :Dr. Vaneet Jishtu
(Scientist, HFRI)
Date: 29th November, 2023
Time: 10:00 a.m.
Venue: Auditorium



Guest lecture on Ethnobotanical Plants of Himachal Pradesh