

BOTANICAL STUDY TOUR REPORT

Of

(Dachigam National Park, Srinagar)



Arranged for 6th Semester Students

(Batch 2018)

On

13th October, 2021

Submitted to

PRINCIPAL

Prepared by

DEPARTMENT OF BOTANY

GOVERNMENT DEGREE COLLEGE BEERWAH

Introduction:

Botanical tour to Dachigam National Park, Srinagar was carried out on 13th of October, 2021, for which students of B.Sc. 6th semester were selected for the collection and identification of plant material related to their syllabus. In this tour 35 students participated which were accompanied by 2 teaching and one non-teaching faculty member. The transportation facility provided by the College management included one college bus alongwith the driver and conductor for the



facilitation of students.

On the above captioned date the college bus alongwith the students and faculty members departed the college at sharp 8:40 a.m. The students were given first break at Harwan Park for just 2hrs where we reached 10:50 a.m. and all the students were classified into different groups and clear cut instructions were disseminated for the further programme. During this entire one day trip, students were given a lunch break of just 45 minutes carried out at Harwan Park. Just after the lunch break, students alongwith the faculty members

moved for the collection and Identification to upper reaches of the area where important plant species were collected, identified, photographed and finally brought them to the concerned laboratory for future use/reference.

After the completion of collection work in time, the entire team left the Harwan Park at 2:30 p.m. and left for Dachigam National Park. After visiting the National Park students were taken to Shalimar Garden to observe the scenic and aesthetic beauty of the garden where range of angiospermic plants were identified. Finally after the successful tour, the college bus reached the college at 6:30 p.m. safely.



2. Objective of the Tour

The overall objective of the Botanical tour was to enhance learning capacity of the students in the field of taxonomy.

Specific objectives of the tour:

1. Study of stratification
2. To study the habit and habitat of the plants with special reference to algae, bryophytes, pteridophytes, gymnosperms and angiosperms.
3. Study of biodiversity.
4. To explore the field of medicinal and aromatic plants.
5. Collection of relevant plant material
6. Preparation of herbarium.

3. Results:

Various plant species like *Celosia* spp., *Dahlia*, *solidago*., *Thuja* spp., *Rosemary* spp., *Rosa* spp., *Tagetus*., *Geranium* spp., *Agave foetida*, *Tropaelum majus*, *Lagerstroemia indica*, *Lavender* spp., *Achillea millefolium*, *Forsythia*, *Symbocus*, *Primula*, *Digitalis*, *Alyssum* and *Helianthus*, *Lactuca* were observed and identified.

After the collection of certain plant species, demonstration was given to students by the associated teachers. All the students actively participated in the collection programme.

Some algal species were also collected from the running waters for the further use in the laboratory.

Botanical nomenclature, morphology, vegetative and reproductive structures were shown to students. Material was collected for herbarium preparation as well for which entire details were noted down by the students.



Grandiflora roses, a true hybrid species of roses were shown to students in the Shalimar gardens. Grandiflora roses are relatively new hybrids resulting from the crossbreeding of hybrid teas and floribunda roses. Grandifloras produce full-blossomed flowers growing on tall hardy bushes.



The best known and most popular class of rose is that of the hybrid tea roses, which accounts for the majority of roses grown in greenhouses and gardens and sold in florist shops. Hybrid teas come in the complete range of rose colours and have large symmetrical blossoms.

Conclusion:

It was a successful study tour conducted by the Department of Botany after a long period of time. All the participants cooperated at each and every corner and it proved to be a beneficial tour because some rare and important plant species were collected and preserved for future use/reference.

Acknowledgement:

It is a great relief and satisfaction whenever we accomplish a study tour at college level.

The Department of Botany is highly thankful to the Worthy Principal Dr. (Prof.) Neelam Jan Shah who not only sanctioned but encouraged the Department for the conduct of this tour. The tour was conducted after a long period of time and students were highly impressed by all the facilities and instructions provided to them by the concerned officials. I have to appreciate the cooperation given by other teaching staff members who were present in this tour.