



# ONE DAY BOTANICAL EXCURSION

DATE: 12<sup>TH</sup> JANUARY, 2022

STUDENT GROUP: SEMESTER VI AND IV BOTANY

DEPARTMENT OF BOTANY, PRESIDENT SCIENCE COLLEGE,  
AHMEDABAD

TEAM BOTANY: DR. URVI GUPTA

DR. DHRUV PANDYA

MS. MEGHA LODHA

Botanical excursions are always been an imperishable part of plant studies. It provides a wonderful opportunity for students to understand plants' habitat, characters and creates a bond between them. Learning from books can be notable but experiencing it in nature becomes unforgettable. It is worthy to say that plants can be studied better in nature.

Department of Botany, President Science College has organized a one-day botanical study trip for semester VI and semester IV students to Serenity library and Botanical Garden on 12<sup>th</sup> January, 2022. 15 students have participated in the visit where they got an opportunity to study plant taxonomy from renowned plant taxonomist Dr. Santosh Yadav.

The Serenity library and garden is a lavish green place with 800 species of indigenous & exotic plants which have been planted over the last 20 years. The garden hosts more than a 100 species of birds in the wild, venomous and non-venomous snakes. The botanical garden has two excavated water bodies with several aquatic plants which play a vital role in attracting birds to the premises. It also has a rich library containing 3,000 books on environment, wildlife & conservation along with herbaria and seed bank. With all these qualities, serenity library and botanical garden make a wonderful place to study plant taxonomy, different ecosystems including interaction between plants, animals and birds.



**SERENITY LIBRARY AND BOTANICAL GARDEN**

Day: 12<sup>th</sup> January, 2022

Trip started on 12<sup>th</sup> January, 2022 at 7 O'clock in the morning with 15 students from semester VI and IV and team of Botany department Dr. Urvi Gupta, Dr. Dhruv Pandya and Ms. Megha Lodha. Students were privileged as they got a chance to learn plant taxonomy from Dr. Santosh Yadav, a plant expert renowned plant taxonomist.

With formal introduction to the place and expert the study begun. Session had a brain storming beginning with questions about taxonomy by the expert. After giving a brief idea about plant classification, Dr. Santosh asked students to follow him for walk to the plants. It was a delightful morning study experience for students in a freezing winter morning. During walk Dr. Santosh has introduced all the plants along with their important characters to remember.



**IDENTIFYING GREEN WEALTH OF NATURE FROM EXPERT**

He also used to give information about special matters associated with the plant for e.g. its historical importance, stories, myths, ecological importance,

place in RED data book and medicinal uses of different plant species. He also discussed about key characters of plant families and how to correlate neighboring families from the characters.



**PLANT DIVERSITY IN SERENITY BOTANICAL GARDEN**



Along with wild plant species, students have also studied a number of medicinal plants planted in a patch developed as a medicinal garden. They also have observed pond ecosystem along with its components i.e., plants and birds visiting it. A small portion of garden is used to cultivate vegetables also where students have experienced that how vegetables are cultivated singly and in mixed cropping.



**MEDICINAL PLANT DIVERSITY**



**VEGETABLE CULTIVATION**

Besides studying plants, students also got chance to collect plant specimens for herbarium preparation. Our expert provided some tips on plant pressing, fixing and also provide information about herbarium label. Students have pressed plants in garden only under his guidance.



**PLANT PRESSING FOR HERBARIUM**

After pressing plants, students have moved to library portion where they found lot of books on plants and biodiversity. A section in library devoted to herbarium and seeds, where students learn how herbariums are placed according to the classification system. They also learned about seed collection and preservation. Dr. Santosh briefed them about different preservation techniques dry and wet. They also had some collection of animal bones along with plants which fascinated students.

During departure, Dr. Santosh gifted a valuable book on plant taxonomy i.e. Flora of Bharatpur District written by him and Dr. Rashmi Yadav to President

Science College as a memory of a great learning trip. The book was received by team botany.



**HERBARIUM**



**SEED COLLECTION**

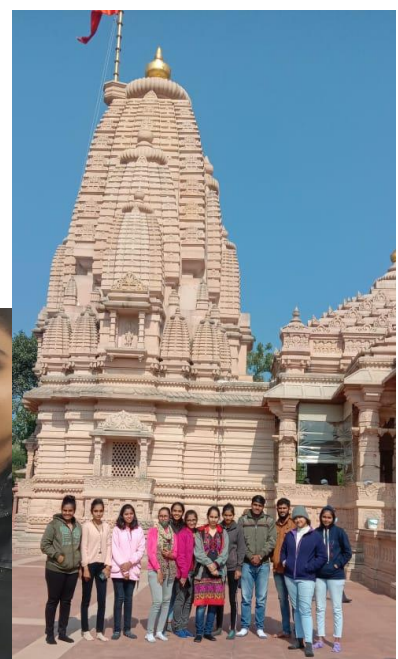


**EXPERT ADVISE ON PRESERVATION TECHNIQUES**



**MOST VALUABLE GIFT**

After Serenity visit, Students and faculties had a small refreshment and then proceeded for next destination i.e. Koteswar Mahadev temple. During the short visit to temple students have also observed the garden design and topiary in the premises of temple.



It was a great learning experience for the students, where they studied many things in the lap of nature and of course with lot of fun.

