

REPORT
ONE DAY EXCURSION AT
WAGHAI BOTANICAL GARDEN & SAPUTARA
DEPARTMENT OF BOTANY
GOVERNMENT SCIENCE COLLEGE, VANKAL

Under the direction and supervision of Dr. Meghna R. Adhvaryu, Head of the Department of Botany, and with the consent of Principal Dr. Parthiv K. Chaudhari, the Department of Botany arranged a trip to the Waghai Botanical Garden and Saputara on January 25, 2020, for B.Sc. Botany Students. The tour was managed by Dr Dilip Bhayani and Ms. Devyani Chaudhari faculties in the Department of Botany, and Dr Anil Singh faculty in the Department of Microbiology of the same college.

At five o'clock in the morning, the trip began at the entrance of the college, where it was being transported by a traveling bus. The Waghai Botanical Garden and Bio-Diversity Conservation Centre has a wide range of native and exotic plant samples from which you can learn to identify plants, learn how they are used for food and medicine, and how much we depend on them. There is a nature education trail that leads you to and from Vandsa Park. You might not find people to welcome and orient you, but there is plenty of written information about the plants posted around the centre. The garden is open from 8 am-6 pm and entry is free. The students not only learned a great deal about diversity but also learned how to recognize the many species that can be found in nature.

About Waghai Botanical Garden

Botanical Garden is situated about 2 Km. away from Waghai, on Waghai-Saputara Road in District Dangs, Gujarat State. It Spreads over an area of 24 Hac. It is the largest garden in Gujarat. It was established in 1966. This Botanical Garden has a systematic network of roads spreading 7 Km in length. This area receives about 1600 mm to 2000 mm of rainfall during the rainy season. Average minimum and maximum temperatures are 10°C to 45°C

Objectives of the Garden

- ✿ **Rescue** : Ex-situ Conservation of Rare, Endangered and Endemic species.
- ✿ **Recovery** : Multiplication of valuable plant genetic resources.
- ✿ **Rehabilitation** : To reintroduce plants in natural habitats in collaboration with State Forest Department in regular plantation programme.
- ✿ **Education** : Serve as center of training, with expertise in ethno-botany and medicinal plants.
- ✿ **Research** : Undertake botanical research and develop excellent referral system for plants dried and live condition, with documentation of natural resources of the South Gujarat.
- ✿ **Awareness** : To promote education and public awareness.



The Botanical Garden is divided into different plots, which represent the forest types occurring in India as classified by Champion and Seth.

- ✿ **Evergreen Plot** : This Forest type occurs in Southern and North East part of India. The vegetation comprises Calophyllum Mesua, Artocarpus etc., This plot has 328 species.
- ✿ **Moist Deciduous Plot** : This forest type occurs in South India : Dangs District in Gujarat, M.P. Thana division in Maharashtra, Karnataka, Coimbatore, North India : Uttar-Pradesh, Bihar, Orissa, Bengal, and Assam and Andaman. The vegetation comprises of Lagerstromia, Shorea, Tectonic, Dillenia. Albizia etc. This plot has 323 species.
- ✿ **Dry Deciduous Plot** : This forest occurs in M.P., Gujarat, A.P., Karnataka, Tamilnadu, Punjab, etc. The vegetation comprises of Terninalia, Anogeissus, Diosphyros, Semicarpus, etc. This plot has 42 species.
- ✿ **Scrub and Thorn Plot** : This is forest type occurs in M.P., Maharashtra, A.P. and Rajasthan. The vegetation comprises of Acacia, Randia Zizyphus, Euphorbias etc. This Plot has 101 species.
- ✿ **Arid Zone Plot** : This forest type occurs in North Gujarat and Rajasthan. The vegetation comprises of Cappris, Tamrix, Tecomella, Euphorbias, Perennial grasses etc.
- ✿ **Taxonomy Plot** : Taxonomy is the identification nomenclature and classification of plant kingdom. There are 123 species.
- ✿ **Medicinal Plot** : This plot was added to the garden in subsequent years of its formation. It has collection of 257 species which have medicinal usages in Ayurveda, Unani Homeopathy and modern medicines.
- ✿ **Bamboo Stump** : Nearly 100 different species of bamboos are known to occur in the world these 21 species are found in different regions of India. The bamboos setum has 5 different species of bamboos found in India.
- ✿ **Palmetum** : Botanical Garden has 7 species of Palm.
- ✿ **Dangs Plot** : This plot represents the species occurring naturally in the forest of Dangs district, where the garden is located. It has 468 species.
- ✿ **Cacti and Succulent** : Many rare varieties of Cactii and Succulents are seen in the Cactus House. This plot has total 142 species.
- ✿ **Orchid Museum** : It has different variety of Orchids.
- ✿ **Biodiversity Center** : It shows biodiversity of District Dangs.
- ✿ **Research and Demonstration Center** :
 - (i) It has Library of 552 books.
 - (ii) It has Herbarium of 3774 sheets.
- ✿ **Rose Plot** : It has 4 variety of Roses.

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GLIMPSES OF OUR TOUR





Waghai Botanical Garden





**Flora of
Saputara**





Refreshment at Saputara

