



**Dempo Charities Trust's  
Dhempe College of Arts and Science  
Panaji, Goa**

**DEPARTMENT OF BOTANY**

**Report of the field trip for students of F.Y. B.Sc. paper BOT 100 -  
Fundamentals of Botany**

**Title: Field trip to forest surrounding Tambdi Surla temple and Satpal arboreatum.**

**Date: 18<sup>th</sup> February 2024**

**Accompanying teachers:Dr. Pratibha Prabhugaonkar and Dr. Ashish Prabhugaonkar**

Field trip for students of F.Y. B.Sc. paper BOT 100 Fundamentals of Botany was conducted on 18<sup>th</sup> February 2024. Eleven students attended the field trip. We left at 8.30 am from Panaji and reached Tambdi Surla temple at 10:30 am. Group slowly walked through evergreen and semi-evergreen forest patch around the temple where they were acquainted with different trees, liana's, palms, ferns, herbs and botanical concepts. In return journey we reached at Satpal arboreatum at 1.30 pm. At arboreatum students went through fern house, orchidarium, succulent plant house to learn about them. Medicinal plant collection at arboreatum where more than 100 well labelled beds of medicinal plants is on display fascinated the students. Students reached back to Panaji at 5.30 pm.



**List of Plants observed around Tambdi Surla temple**

<b>Sr. No.</b>	<b>Name of Plant (Botanical name/ Local name)</b>	<b>Remarks</b>
1.	<i>Mangifera indica</i> L.	These were wild native plants. Importance of them with concept of 'Center of origin' of cultivated species was explained.
2.	<i>Piper nigrum</i> var. <i>nigrum</i> / Wild black pepper	
3.	<i>Lagerstroemia microcarpa</i> Wight / नाटी	Bark peels in winter and tree appears white.
4.	<i>Nyctanthes arbor-tristis</i> L./Parijat	Tree cultivated in front of

5.	<i>Albizia saman</i> (Jacq.) Merr./ Rain tree	temple. Difference between cultivated and wild plants was explained.
6.	<i>Schleichera oleosa</i> (Lour.) Oken / कुसुम	This tree is one of the major lac insect host species in India
7.	<i>Saraca asoca</i> (Roxb.) Willd. / सीताअशोक	Very beautiful tree when flowers and Bark of tree is used in ayurvedic medicine
8.	<i>Xantolis tomentosa</i> (Roxb.) Raf./काटेकुंबळ	Has sharp spines on stem, wood is very hard.
9.	<i>Leea indica</i> (Burm. f.) Merr./Jino	Important plant in hindu ritual – Tulsi vivah
10.	<i>Terminalia paniculata</i> Roth/ Kindal, Kinjal	Important timber tree of Goa
11.	<i>Terminalia elliptica</i> Willd./ Matti	State tree of Goa
12.	<i>Terminalia bellirica</i> (Gaertn.) Roxb./बेहडा	Ingredient of ayurvedic medicine Triphalchurna
13.	<i>Terminalia catappa</i> L.	An ornamental tree
14.	<i>Aporosa lindleyana</i> (Wight) Baill./Salay	Important timber tree
15.	<i>Ficus sjakela</i> Burm.f/ Kel	Strangler fig: Grows as strangler on other trees and later get established as separate tree
16.	<i>Diospyros pruriens</i> Dalzell/kalezad	Leaves and fruit are hairy and pubescent.
17.	<i>Diospyros ebenum</i> J.Koenig ex Retz.	Known for black Ceylon ebony wood
18.	<i>Glycosmis pentaphylla</i> (Retz.) DC./ मेनकी	A butterfly larval host for many species including blue mormon
19.	<i>Chromolaena odorata</i> (L.) R.M. King & H.Rob./ Ranmari	A noxious perennial invasive plant introduced from Mexico. Problem of bio-invasion was explained with this example.
20.	<i>Cassia tora</i> L./Takla, Taikila	Young leaves are cooked in vegetable
21.	<i>Garcinia indica</i> Choisy/ कोकम	Fruits are used as souring agent. A potential indigenous plant for juices, contains hydroxycitric acid (HCA) a antioxidant.
22.	<i>Mappia foetida</i> (Wight) Miers/ घाणेरा	This plant has anti cancer properties which has made it an endangered species.
23.	<i>Microcos paniculata</i> L/ हसोली	Black fruits ripe in October are wild edible fruits.
24.	<i>Strychnos nux-vomica</i> L./ कजरो	Nux vomica is a common homeopathic medicine prescribed for digestive problems, sensitivity to cold, and irritability.

25.	<i>Getonia floribunda</i> Roxb./उस्की	Plant is used as green manure for coconut. It grows as shrub in dry lands whereas a liana in forest.
26.	<i>Careya arborea</i> Roxb./कृष्णपत्र	Bark is medicinal, also used to extract fibers.
27.	<i>Hydnocarpus pentandrus</i> (Buch.-Ham.) Oken/चालमोगरा, कृष्णवैरी	A ayurvedic medicine. Oil was used to treat leprosy
28.	<i>Drynaria quercifolia</i> (L.) J. Sm.	An epiphytic fern
29.	<i>Dillenia pentagyna</i> Roxb. /करमल	Large leaves used for wrapping food
30.	<i>Strobilanthes ixiocephala</i> Benth./Pit-carvy	Plant forms large understory stands in semievergreen forest
31.	<i>Holarrhena pubescens</i> Wall. ex G.Don / इंद्रजव	A ayurvedic medicine for many ailments. Best drug for Diarrhoea
32.	<i>Cynodon dactylon</i> (L.) Pers./ Durva	A ayurvedic medicine



Students at Tambdi Surla forest area



Students in plot for *Vateria indica* - Dhoop tree



Students exploring succulent house

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