



Bellary V.V. Sangha's
VIJAYANAGAR COLLEGE, HOSAPAETE
(Affiliated to Vijayanagara Sri Krishnadevaraya University, Bellary)
Accredited 'B⁺' Grade by NAAC
DEPARTMENT OF BOTANY



Visit Report to Medicinal Garden, Sandur

DATE OF VISIT: 21, December 2024

PLACE OF VISIT: Sandur Medicinal garden and P.G. Center, Nandihalli

The botanical tour involved the students of 5th semester, accompanied by faculty members Dr. Pushpa K. Kavatagi, HOD, Dept. of Botany and Dr. Halaswamy H M.

OBJECTIVES OF THE TOUR

- To observe and study various plant species in their natural habitats.
- To understand the ecological roles and adaptations of different plants.
- To learn about conservation efforts and the importance of biodiversity.
- To gain hands-on experience on herbarium and plant preservation.

OVERVIEW OF SANDUR MEDICINAL GARDEN

The present study provides a detail of Sandur taluk is located in the central part of Ballari district and eastern part of Karnataka state. Sandur is 565 m above sea level and lies between 15°00' and 15°15' N latitude and 76°20' and 76°55' E longitude. The total geographical area is 1,243,95 Sq.km. Sandur Medicinal plant area falls in Swamy malai block of Yeshwantha nagar beat extends over 345 hectare and is situated at an altitude between 550-773 MSR around forest guest house, it is the sloppy area forming valley portion with local species.

The dry deciduous forests of sandur possess rich vegetation and have many plant species which were migrated, isolated and evolved ones. The variation in the vegetation is due to topography, soil profile and climatic adaptations. The hill tops are the source of high quality iron and manganese ores. The forest is characterized by moderate to large trees. Many trees have open canopy, few species are prickly, spiny and drought resistant.

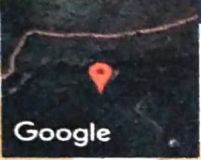
The forests in sandur hills possess common trees like *Chloroxyolon*, *Terminalia tomentosa*, *Dalbergia paniculata*, *Acacia chundra*, *Ficus racemosa*, *Butea monosperma*, *Terminalia bellarica*, *Tamarindus indica*, *Syzgium cumini*, etc. Species such as *Mangifera indica* having

very old and big trunks growing upto 40 m height and few epiphytes are also seen at Harishankara theertha at an elevation of 780 m. These forests contain some climbers, lianas like *Gymnema selvestre*, *Tinospora cordifolia*, *Bauhinia vahli*, etc and few parasite and epiphytic forms. Pteridophytes like *Adiantum*, *Pteris*, *Nephrolepis*, etc, Mosses, Some gymnosperms are grown.

HIGHLIGHTS OF THE VISIT AND LEARNING OUTCOMES

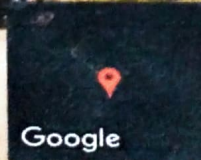
1. Plant Diversity: Students observed a wide range of plant species, including trees, shrubs, herbs, and climbers.
2. Ecological Interactions: Students got a close-up look at how plants interact with other living things and adapt to their surroundings. Numerous biological interactions, including pollination, seed distribution, and symbiotic connections, were highlighted during the guided walk.
3. Conservation Efforts: Discussions were held regarding the conservation efforts of the garden, which include habitat restoration projects and the cultivation of endangered species. Students gained knowledge of the difficulties encountered in conservation efforts as well as the significance of protecting biodiversity.
4. Practical Skills: The visit provided students with an opportunity to practice plant identification and data collection techniques. The interactive session with the botanist Dr. M. Siddeshwari, Asst. Professor, Department of Botany, Vijayanagara Sri Krishnadevaraya University, Ballari enhanced their preservation, herbarium methods and the practical applications of their uses.





Swamymalai Block, Karnataka, India
3g49+39p, Kudligi Rd, Swamymalai Block, Karnataka
583124, India
Lat 15.057076° Long 76.516808°
21/12/24 10:48 AM GMT +05:30

GPS Map Camera



Swamymalai Block, Karnataka, India
3g49+39p, Kudligi Rd, Swamymalai Block, Karnataka
583124, India
Lat 15.05536° Long 76.518508°
21/12/24 11:29 AM GMT +05:30

GPS Map Camera



CONCLUSION AND ACKNOWLEDGMENT

The students had a very enriching and educational one-day excursion. They were able to enhance their theoretical knowledge of plant taxonomy, morphology, ecology, and conservation by gaining useful and hands-on experience. The visit also emphasized the importance of preserving our natural heritage and inspired students to contribute to conservation efforts. We extend our gratitude to the management of the Forest department, Sandur for their hospitality and for providing such an informative and engaging experience. The staff members and students of the Department of Botany at Vijayanagar College, Hospet gratefully thank the Principal, IQAC coordinator and Governing Body members of the College Management for providing the opportunity to visit the medicinal garden and helping in arranging the bus facility too.

HEAD

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