

GOVT. BANGUR P.G. COLLEGE, PALI

BOTANY DEPARTMENT

INTRODUCTION

Science subject (B.Sc. I Yr. Biology) started in Govt. Bangur P.G. College, Pali in session 1964-65. Initially Shri M.k. Jain and Shri Lal Singh Rathore (Lecture, Botany) taught Botany for many years. Later on Shri D.L. Sharma, Shri N.K. Bhargava, Smt. P. Rateshwar, Dr. K.C. Suthar and Mrs. Sushila Reel established a well-equipped Botany Laboratory in college. They all arranged required apparatus, classwork materials and all other things required for a good Laboratory.

Dr. Pramila Rajput, Dr. Manisha Chouhan, Shri Sanjay Akhawat, Dr. Praveen Gehlot and Mrs. Pratibha Soni are learned botanists who dewed this department and enrich botany Laboratory for students. At present Dr. Sushma Sharma, Dr. Santosh Choudhary and Dr. Vikram Singh are taking steps to update Laboratory for UG as well as PG students in botany.

BOTANY LABORATORY

The Laboratory has one room for teaching faculty, one tissue culture chamber and it has capacity of 30 students to perform various experiments at a time. Faculties try to collect all class work materials according to syllabus provided by J.N.V.U., Jodhpur.

It is equipped with following apparatus

1. Auto clave – 2
2. Laminar air flow
3. Distillation apparatus
4. Arc auxanometer
5. Physical balance
6. Ovens – 4
7. Various charts related to syllabus
8. Permanent slides
9. Microscopes (students, light & dark and binocular)

10. Centrifuge
11. Spectrophotometer
12. Digital camera

Now a days botany laboratory is a hi-tech laboratory. One MMP (Multimedia projector) with screen and updated computer with Wi-Fi connection is available in department to show various slides, photos and e-lectures related to their syllabus.

VISION & MISSION

The subject Botany aware the students about various environmental pollutions, vegetation of Pali region and importance of locally available plants. Botany provides knowledge of ecosystem and importance of plantation to the students.

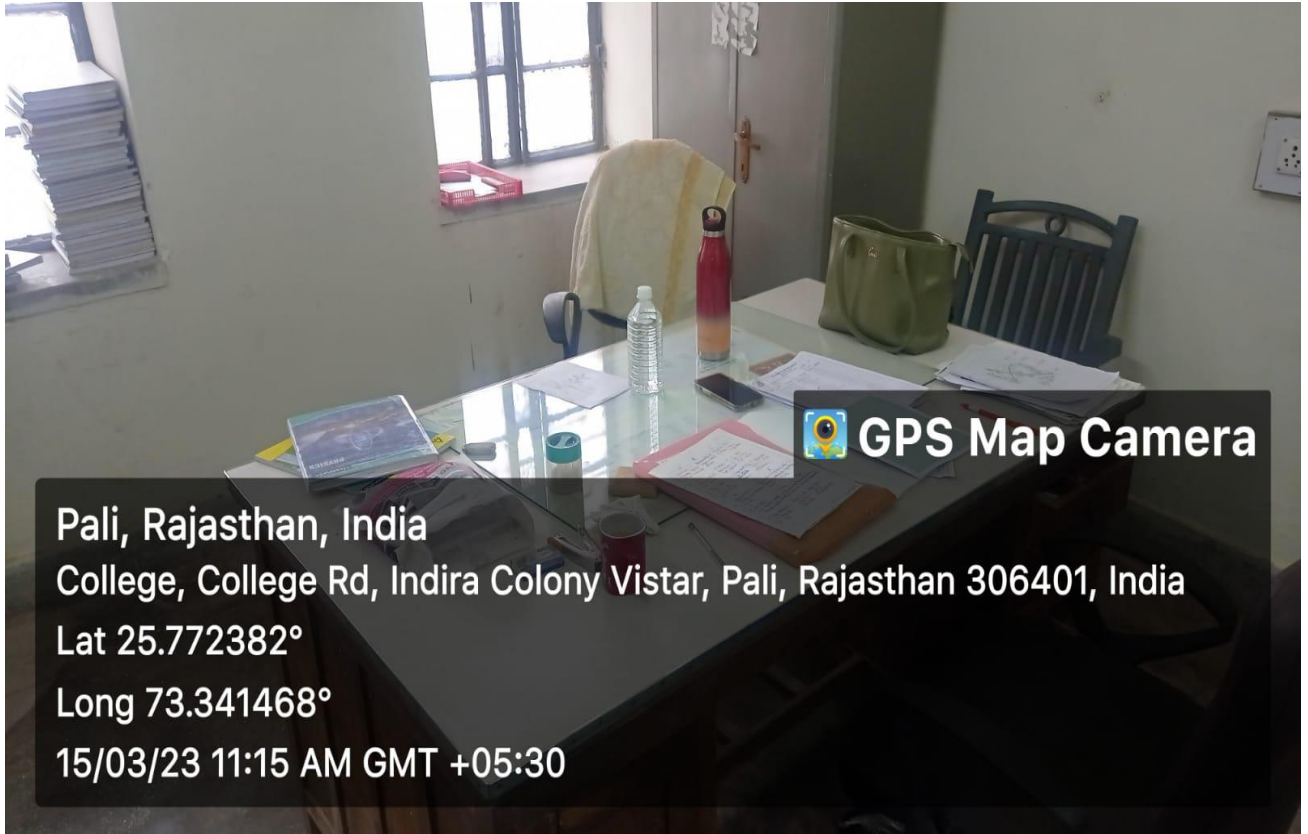
OUTCOMES OF BOTANY

Students have knowledge of various life forms of plants, design and execute experiments related to structure, origin, shape, size, biodiversity, physiology, genetics, microbiology, genetic engineering, biotechnology, evolution, and ecology of plants.

JOB OPPORTUNITIES FOR BOTANY STUDENTS

The course is highly in demand in the current situation. B.Sc. Botany has a large scope in the public and private sectors. Some of the job opportunities are :-

- Ecologist
- Plant biochemist
- Researcher
- Environmental consultant
- Forest ranger
- Botanist
- Nursery or Green House manager
- Farming consultant
- Paleobotanist



 **GPS Map Camera**

Pali, Rajasthan, India

College, College Rd, Indira Colony Vistar, Pali, Rajasthan 306401, India

Lat 25.772382°

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BOTANY DEPARTMENT

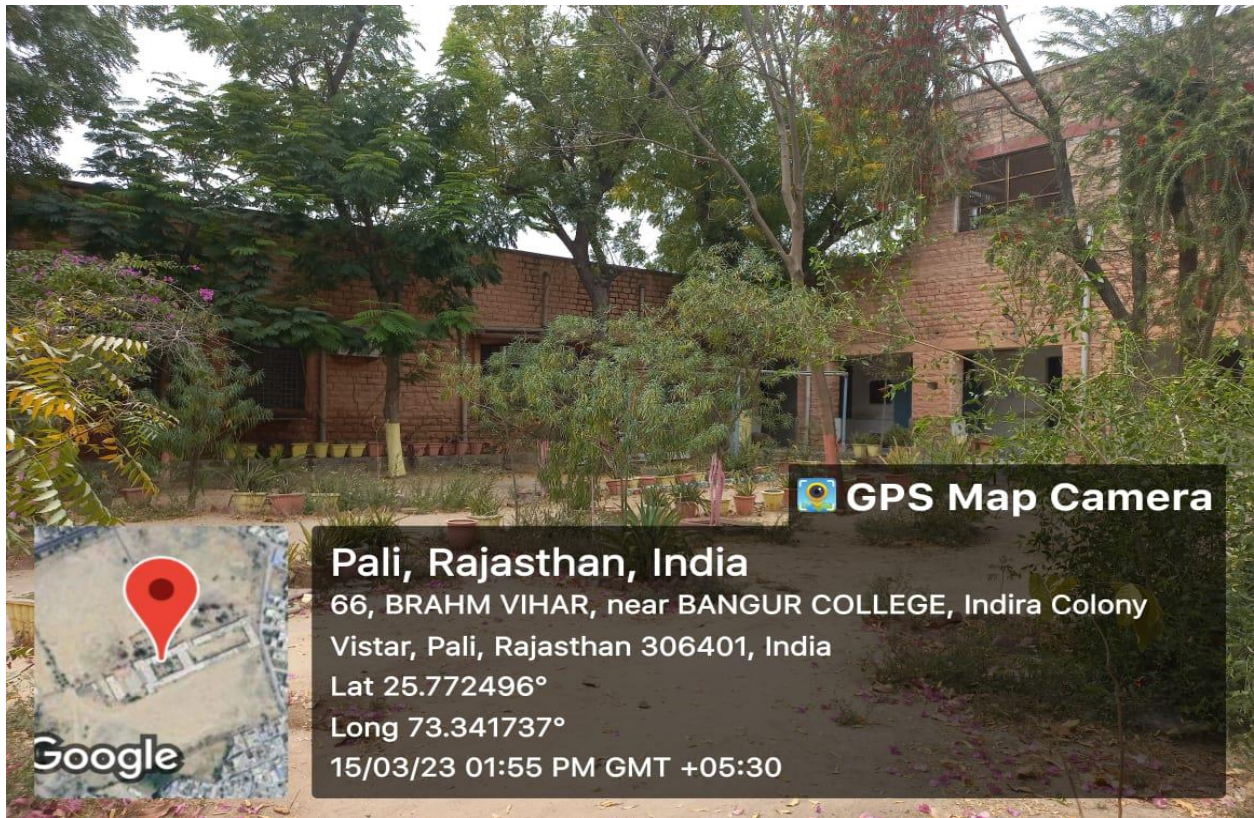
BOTANICAL GARDEN IN GOVT. BANGUR P.G. COLLEGE, PALI (RAJ.)

One botanical garden is maintained in college. In this garden various xerophytic and halophytic plants native to Pali region or not are grown by the faculties at various occasions. Many species are grown in planters to make fresh practical materials available to the students.

10 types of trees, 9 types of shrubs and about 20 types of herbaceous plant species are found in botanical garden. Some importance wild and cultivated plants / tree are:-

| COMMON NAME | BOTANICAL NAME |
|-------------------|---|
| Punarnava | <i>Boerhaavia erecta</i> |
| Pilu | <i>Salavadora</i> |
| Paper flower | <i>Baugainvillea</i> |
| Boat lily | <i>Rhoeo discolor</i> |
| Spiderwort | <i>Tradescantia</i> |
| Sadabahar | <i>Vinca rosea, Catharanthus roseus</i> |
| Kaner | <i>Nerium indicum</i> |
| Bottle brush | <i>Callistemone</i> |
| Jungle Jalebi | <i>Pithecellobium</i> |
| Rani meva, Khirni | <i>Manilkara hexandra (Both Male & Female)</i> |
| Rudraksha | <i>Elaeocarpus angustifolius</i> |
| Peepal | <i>Ficus religiosa</i> |
| Neem | <i>Azadirachta indica</i> |
| Lemon | <i>Citrus limon</i> |
| Amaltas | <i>Cassia fistula</i> |
| Neem Giloy | <i>Tinospora cordifolia</i> |
| Tulsi | <i>Ocimum sanctum</i> |
| Areca Palm | <i>Dypsis lutescens</i> |
| Spider Plant | <i>Chlorophytum comosum</i> |
| Ghee Kwar | <i>Aloe vera</i> |
| Dumb cane | <i>Dephenbachia</i> |
| Ashok | <i>Saraca indica</i> |
| Snake plant | <i>Dracaena trifasciata</i> |
| Rain Lily | <i>Zephyranthes rosea</i> |
| Snake weed | <i>Euphobia hirta</i> |
| Smart Weed | <i>Phyllanthus</i> |
| Hastisundi | <i>Heliotropium indicum</i> |
| Danda thor | <i>Euphorbia pulcherrima</i> |
| Sijwu | <i>Euphorbia splendens</i> |
| Gokhru | <i>Tribulus terrestris</i> |
| Shankpushpi | <i>Convolvulus</i> |
| Vajradanti | <i>Barleria prionites</i> |

Various ephemeral weeds and grasses also emerge in this garden during their favourable seasons.



 **GPS Map Camera**

Pali, Rajasthan, India

66, BRAHM VIHAR, near BANGUR COLLEGE, Indira Colony


Vistar, Pali, Rajasthan 306401, India

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Long 73.341737°

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Pali, Rajasthan, India

66, BRAHM VIHAR, near BANGUR COLLEGE, Indira Colony

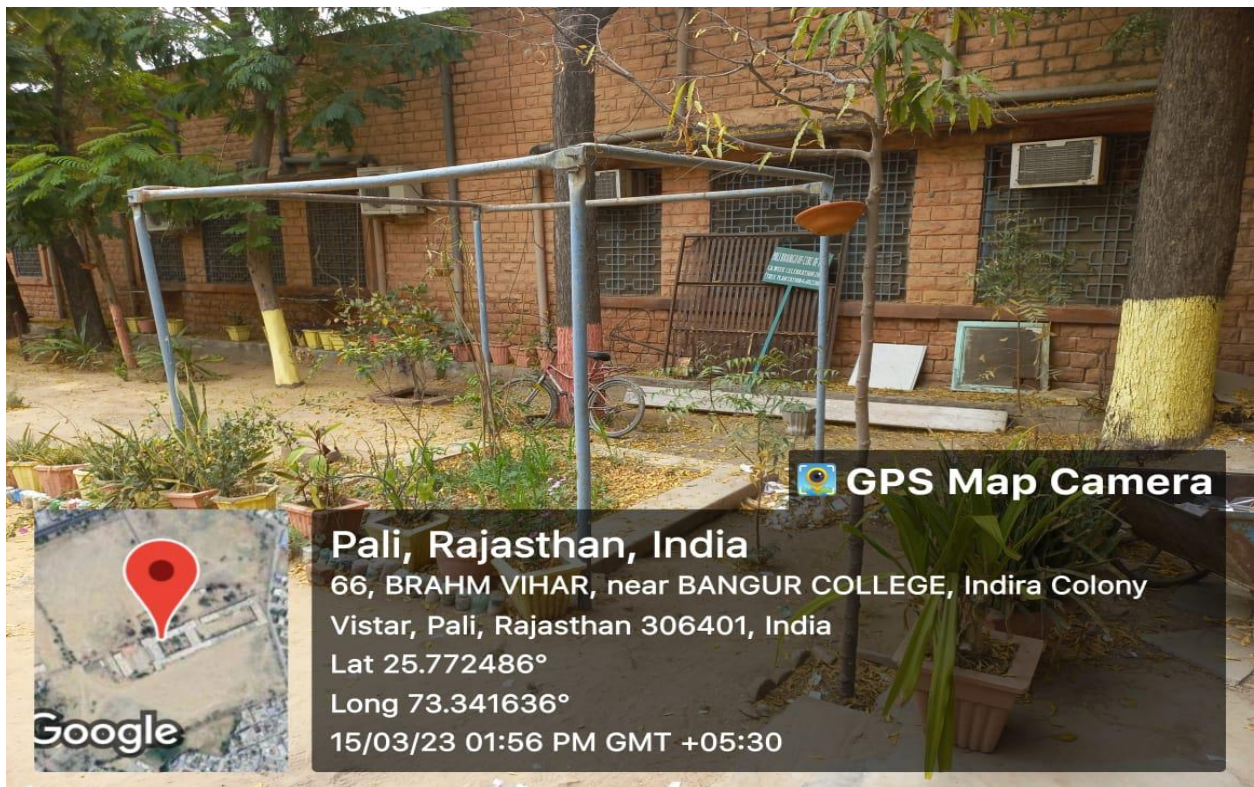
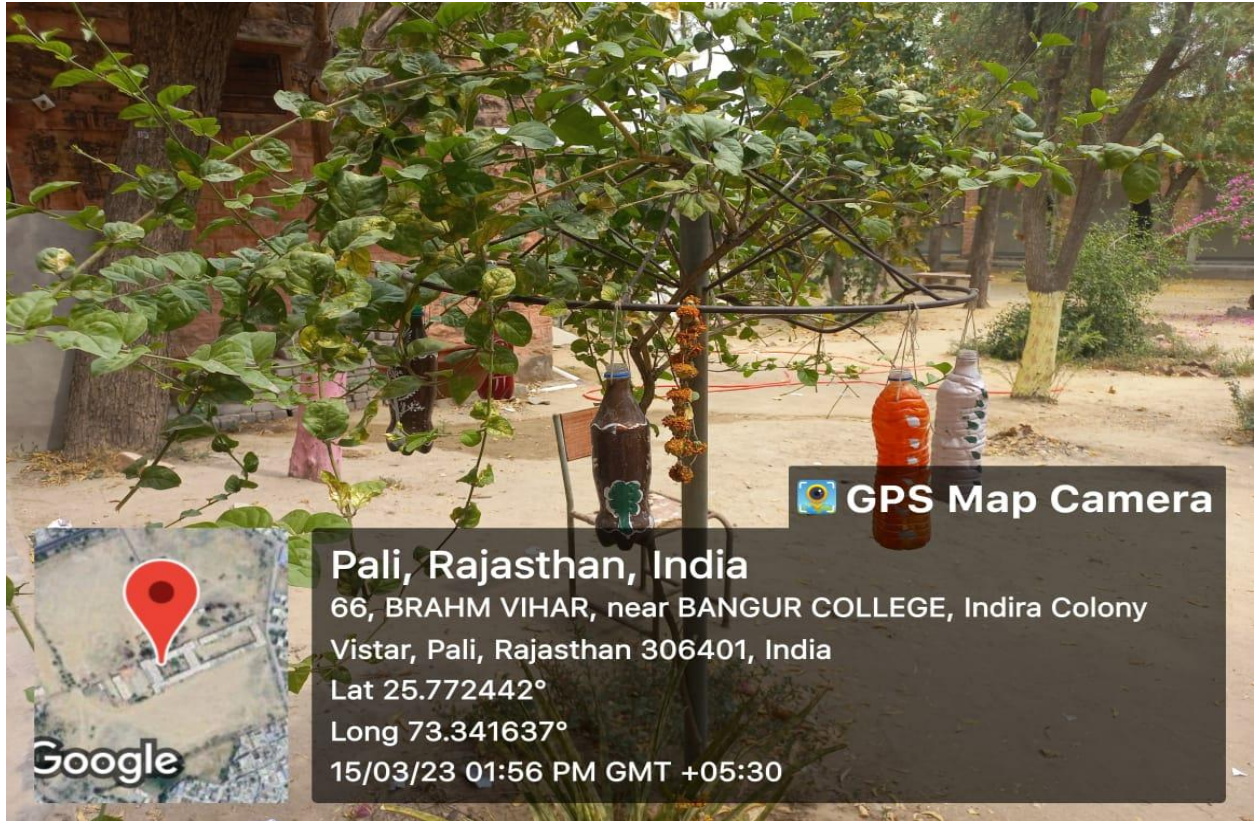
Vistar, Pali, Rajasthan 306401, India

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BOTANICAL GARDEN