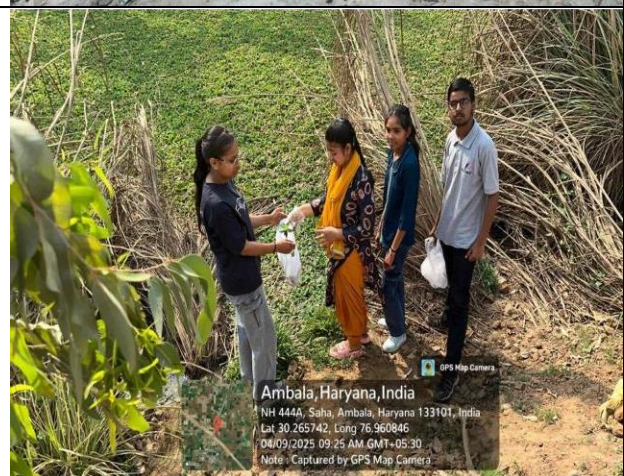
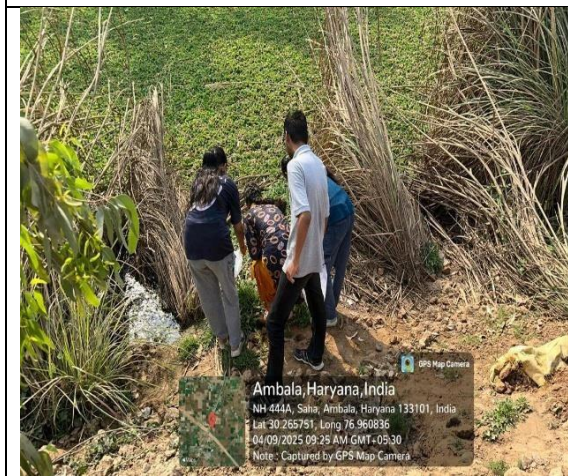
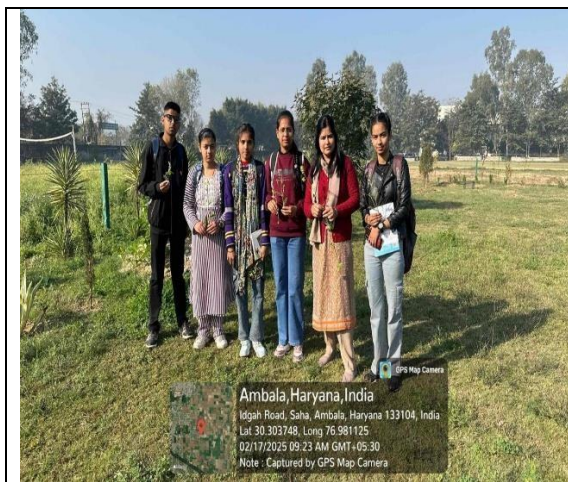


B.Sc Life Science (2nd sem)

Botany

Field Work (2024-25)



ADMINISTRATIVE SANCTION

all good
H.S.

To,
The Principal
RGGC, Saha.

SUBJECT: Permission to organise time-to time local
field excursion for students

Respected madam,

With due respect, it is requested to kindly
allow to organise time to time excursions to
local fields / Botanical Garden / adjoining areas of
Saha for the study and collection of plant
specimens (Algae, Bryophytes, Pteridophytes, fungi,
and Gymnosperms) for the students of BSc L.Sc Ist
students.

These excursions for the collection of plant specimen
are part of their syllabi and helpful for syllabus
enrichment also.

Thanks and regards.

Am-3

Gurjit Tamwar.

NOTICE

All the students of B.Sc. Life Science 1st sem are hereby informed that Department of Botany is organising Excursion to local field area on 17/02/2025 (10:00 am).

Objective: To collect specimens of Algae, fungi, bryophytes, pteridophytes and gymnosperms as per the curriculum



Dr. Anju Tanwar
(Botany Department)



Principal
Rajiv Gandhi Govt. College
Saha (Ambala)



Principal
Rajiv Gandhi Govt. College
Saha (Ambala)

Student attendance.

	Rollno.	Signature
1	Manisha Saini - 1242583001	Manisha
2	Aditi -	Aditi
3	Arijali -	Arijali
4	Kushmeet Kaur -	Kushmeet
5	Jatin -	Jatin
6	Muskan -	Muskan
7	Khusbi -	Khusbi
8	Rajni -	Rajni

Seen

Rishi
Kumari

AD 3

NOTICE

All the students of B.Sc. Life Science 1st sem are hereby informed that Department of Botany is organising Excursion to local field area on 03, March, 2025 (10:00 am).

Objective: To collect specimens of Algae, fungi, bryophytes, pteridophytes and gymnosperms as per the curriculum


Dr. Anju Tanwar
(Botany Department)


Principal
Rajiv Gandhi Govt. College
Saha (Ambala)

Attendance record

1. Manisha Rami	-	Manisha
2. Aditi	-	Aditi
3. Anjali	-	Anjali
4. Jatin	-	Jatin
5. Muskan	-	Muskan
6. Rajni	-	Rajni

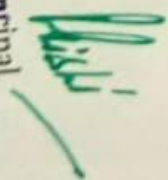

Principal
Rajiv Gandhi Govt. College
Saha (Ambala)

NOTICE

All the students of B.Sc. Life Science 1st sem are hereby informed that Department of Botany is organising Excursion to local field area on 09-09-2025 (10:00 am).

Objective: To collect specimens of Algae, fungi, bryophytes, pteridophytes and gymnosperms as per the curriculum


Dr. Anju Tanwar
(Botany Department)


Principal
Rajiv Gandhi Govt. College
Saha (Ambala)

NAME - MUSKAN
ROLL NO - 1242583007
Subject - Botany
Class - B.Sc I st y

IInd Sem

RAJIV GANDHI GOVERNMENT COLLEGE, SAHA

EXCURSION REPORT

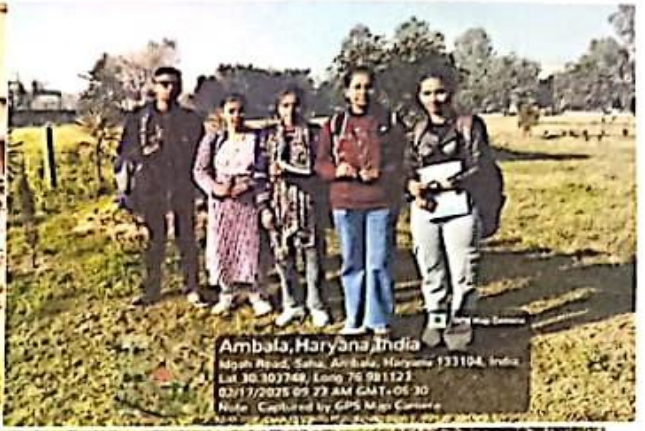
BOTANY

(2024-25)

Submitted by:

Submitted to:

RAJIV GANDHI GOVERNMENT COLLEGE, SAHA



Muskan
Roll NO-1242583007
Class- B.Sc Isty. (Medical)
Subject- Botany

Acknowledgement

It is a privilege for me to submit this project report on members of different families of angiosperm. to department of Botany Govt. Rajiv Gandhi Govt. College Saha (Ambala).

I take this opportunity to add a few heartfelt words for the people who provided me this unending support till the successful accomplishment of my project work.

First of all, I would like to convey my thanks to my teacher Dr. Anjutarani for imparting me knowledge and experience during the texture of my project work.

Secondly my heartfelt application to my father and mother who kept encouraging me and help me unconditionally to complete my project work and providing me financial support to complete this project work.

Certificate

This is to certify that the content of this Project entitled "Project Report of Botany" by Muskan is the bona fide work of him submitted to Rajiv Gandhi Govt. College Saha (Ambala) For consideration in partial fulfilment of the requirement of Kurukshetra University For the award of 1st year Certificate in Botany.



Certified by -
Dr. Anju Tanwar
Rajiv Gandhi College
Saha.

FIELD-Work

Field Work is one of the most essential part in the Botanical study. It permits to come across many types of plants otherwise not seen and available in the laboratory. It is therefore advisable to go around many localities and explore their vegetation organization excursion or outgoing led by experienced person add to the knowledge of common plants in nature.

After collecting the plant it was immediately preserved or pressed to avoid its rotting and dehydration.

HERBARIUM

A herbarium is a collection of well dried and nicely preserved plants which are correctly identified and arranged accordingly to approved system of classification.

The Plants are usually pressed and maintained on the sheets of paper known as herbarium sheets.

Freshly picked specimen are dried and pasted on mounting paper of regulation sized herbarium sheets. The purpose of such a collection is to steady the Vegetation of a locality and maintain its record.

COLLECTION- TOUR

There a day class tour to Was Organised
On to collect the specimen belonging
to Malvaceae, Brassicaceae, Solanaceae, Rutaceae
Ranunculaceae, Asteraceae, Lamiaceae, Poaceae
Euphorbiaceae, Fabaceae, Families members.
Teachers Incharge were Dr. Anju Tanwar Head
of Department of Botany of Rajiv Gandhi Govt.
College Saha Dr. Tarsem Head of department
Zoology of Rajiv Gandhi Govt. College Saha.

Most of collection of Solanaceae & Asteraceae
members were done in Saha Nahoni.

Euphorbiaceae, & Poaceae were done in
Saha.

PREPARATION OF HERBARIUM SHEETS

(i) Equipment

- Scissors
- Collecting sheets
- Pressed plants
- Moulding sheets
- Blotting paper or Newspaper.
- Gum, tapes etc.
- Scale.

(ii) Collecting and pressing :-

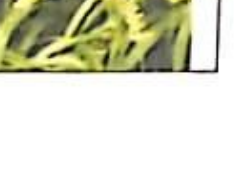
Collected plants are placed in the collecting sheet after specimen are collected it should be placing them in newspaper under books.

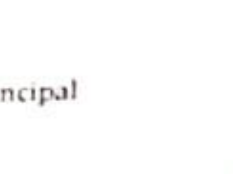
RAJIV GANDHI GOVERNMENT COLLEGE, SAHA

S. no	Name of Plant	Family
1.	<i>Achyranthes aspera</i>	
2.	<i>Calotropis</i>	
3.	<i>Cannabis</i>	
4.	<i>Ageratum</i>	
5.	<i>Sonchus</i>	
6.	<i>Cyanodon</i>	
7.	<i>Crotalaria</i>	
8.	<i>Solanum nigrum</i>	
9.	<i>Phyllanthus niruri</i>	

10.	<i>Euphorbia hirta</i>	
11.	<i>Argemone mexicana</i>	
12.	<i>Datura innoxiana</i>	
13.	<i>Ranunculus</i>	
14.	<i>Abutilon</i>	
15.	<i>Acacia/keekar</i>	
16.	<i>Tridax procumbens</i>	
17.	<i>Bidens pilos</i>	
18.	<i>Sphaeranthus indicus</i>	
19.	<i>Boerhavia diffusa</i>	

RAJIV GANDHI GOVERNMENT COLLEGE, SAHA

20.	<i>Eclipta prostrata</i>	
21.	<i>Solanum xanthocarpum</i>	
22.	<i>Ricinus</i>	
23.	<i>Launaea arborescens</i>	
24.	<i>Ipomoea triloba</i>	
25.	<i>Cynodon dactylon</i>	
26.	<i>Setaria viridis</i>	

27.	<i>Oxalis</i>	
28.	<i>Goosegrass/Galium aparine</i>	
29.	<i>Senna hebecarpa</i>	
30.	<i>Zizypus/beer</i>	
31.	<i>Eichornia</i>	
32.	<i>Azolla</i>	
33.	<i>Pistia/Water lettuce</i>	
34.	<i>Lemna</i>	
35.	<i>Hydrilla</i>	

Dr. Anju Tanwar

Dr. Tarsem Kumar

Principal


Principal
Rajiv Gandhi Govt. College
Saha (Ambala)

RAJIV GANDHI GOVERNMENT COLLEGE, SAHA

REPORT ON

EXCURSION TO LOCAL FIELD

Several Excursion trips to local field area were organized time to time by Botany and Zoology Department on with an aim to show students about the natural habitat and distribution of wild angiosperm plants.

Plants common name, botanical name, families and uses were noted down. Students learned that all these plants of different families exist in their natural habitat and interaction with the various environmental factors.

Ecological distribution of plants was noted. They learned about the effect of different ecological factors responsible for distribution of various types of plants in different areas.

The purpose of this exploration was to make students aware about the presence and distribution of local plant species which grew wildly in these localities. This excursion is mandatory for the students and is mentioned in their curriculum.

More than 35 species of angiosperms were recorded and collected. Plants were categorized into Mesophyte, Xerophytes and Hydrophytes. Hydrophytes were brought and kept in the college pond and other plants were dried preserved for herbarium preparation.

Muskan

Roll no. - 1242583007

CLASS - B.Sc Ist y. (Medical)

Subject - Botany

BOTANY HERBARIUM

Rajiv Gandhi Government College
(Saha)



Algae



Prasanna

Principal
Rajiv Gandhi Govt. College
Saha (Ambala)



Fungi



White rust of Cruciferous



HERBARIUM

Department of Botany, Rajiv Gandhi College, Saha

Crop: Mustard leaf

Name of disease: White rust of cruciferous

Causal organism: Albugo candida

Family: Brassicaceae

Locality: Kulchandu

Date of collection: 15/11/24

Black rust of stem



HERBARIUM

Department of Botany, Rajiv Gandhi College, Saha

Crop: Grass

Name of disease: Black rust of stem

Causal organism: Puccinia graminis

Family: Poaceae

Locality: Th Yamunagar

Date of collection: 15/11/24



Bryophytes



Marchantia



Category: Bryophyte
Plant name: Marchantia
Class: Hepaticopsida
Locality: Mussorie
Date of collection: 14/11/24
Collected by: Muskan

Plagiochasma



Category: Bryophyte
Plant name: Plagiochasma
Class: Marchantiopsida
Locality: Mussorie
Date of collection: 14/11/24
Collected by: Muskan

Asterella



Category: Bryophyte
Plant name: Asterella
Class: Marchantiopsida
Locality: Plagio Mussorie
Date of collection: 14/11/24
Collected by: Muskan

Hrishi

Pteridophytes



Dryopteris



HERBARIUM

Department of Botany, Rajiv Gandhi College, Saha

CATEGORY Monocotyledons

Name of the plant Dryopteris

Class/Family Dryopteridaceae

Locality Mussoorie

Date of collection 15/1/24

Collected by Anurag

H. Saha
Principal
Rajiv Gandhi Govt. College
Saha (Ambala)

Adiantum



HERBARIUM

Department of Botany, Rajiv Gandhi College, Saha

CATEGORY: Pteridophyte

Name of the plant: Adiantum

Class/family: Polypodiopsida

Locality: 14/4/8

Date of collection: 14/11/24

Collected by: Mukherjee

Gymnosperm



Collected by: Muskan

Hrishi
Principal
Rajiv Gandhi Govt. College
Saha (Ambala)

Cycas



Cycas: leaf

HERBARIUM

Department of Botany, Rajiv Gandhi College, Saha

CATEGORY: Gymnosperms

Name of the plant: Cycas

Class/family: Cycadopsida

Locality: Saha

Date of collection: 17/11/24

Collected by: Muskan

Hrishi

Principal
Rajiv Gandhi Govt. College
Saha (Ambala)

Cycas: Megasporophyll



H. S. S.

Principal
Rajiv Gandhi Govt. College
Saha (Ambala)

Araucaria



HERBARIUM

Department of Botany, Rajiv Gandhi College, Saha

CATEGORY Cymnosperm

Name of the plant Araucaria columnaris

Class/family Angiosperm

Locality Ashokpur, Vag & Saha

Date of collection 13/01/20

Collected by Alu Khan