

BOTANICAL EXCURSION TO LAVA, LOLEGAON OF KALIMPONG HILLS, WEST BENGAL.

DURATION :- 2nd June, 2019 - 6th June, 2019.



STUDENT'S BATCH :- 2nd Semester (Honours),

Department of Botany, Bidhanagar College.

TEACHERS' ACCOMPANIED :- Shri Benudhar Mandal

Dr. Kajari Lahiri

GENERAL WEATHER :- Max Temp - 26°C

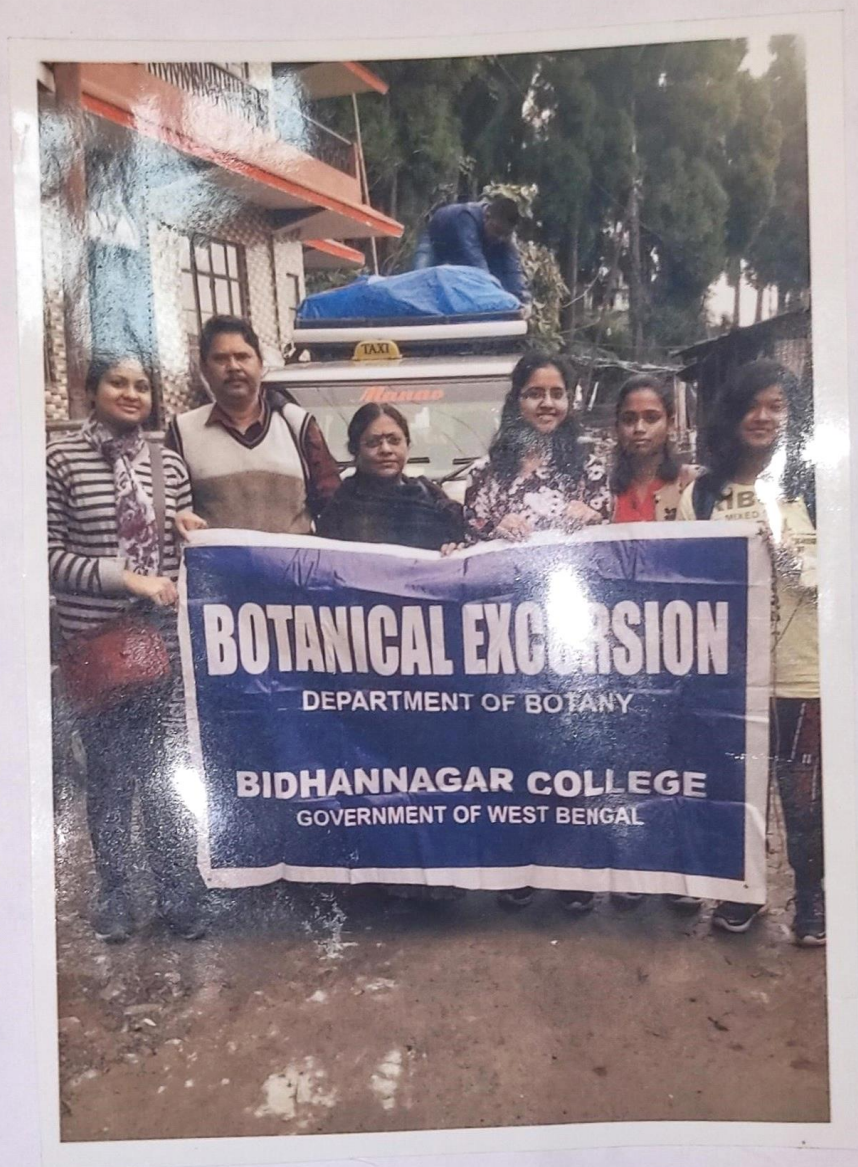
Min Temp - 10°C - 11°C

Rainfall - Moderate

During the excursion, the climate was sunny at morning,
cloudy in the afternoon and nights were chilling with
moderate to heavy rainfall.

PHYSIOGRAPHY OF

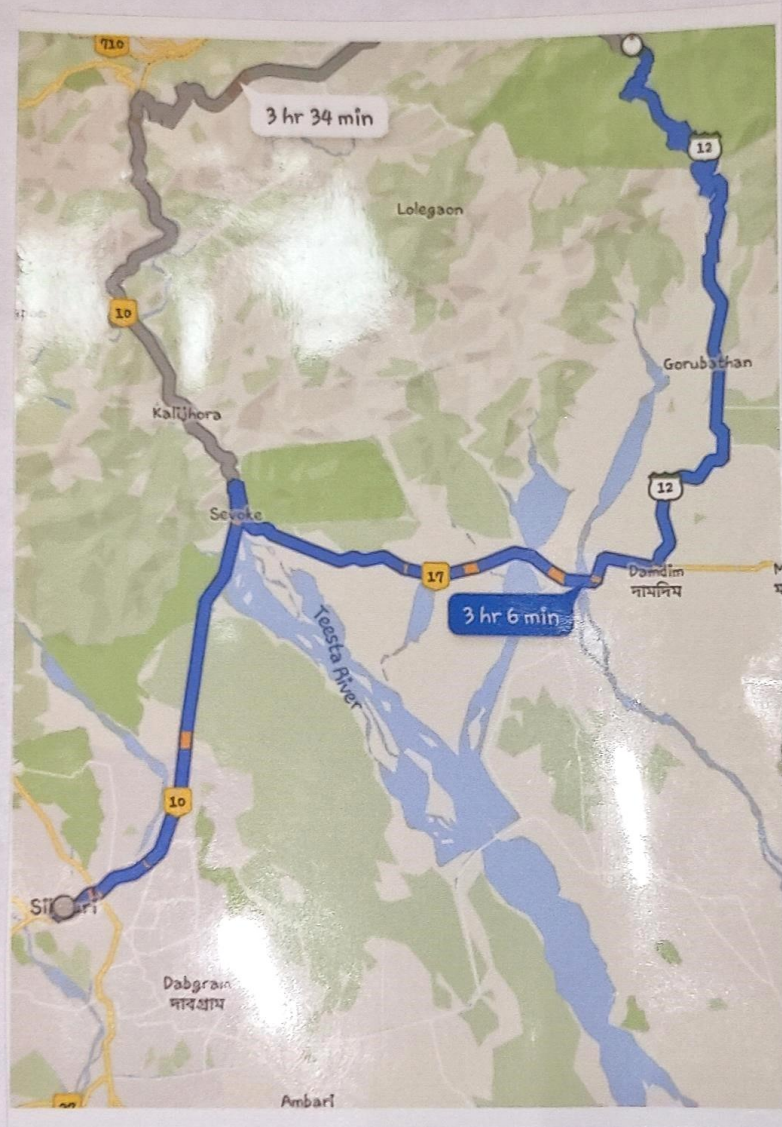
REGION :



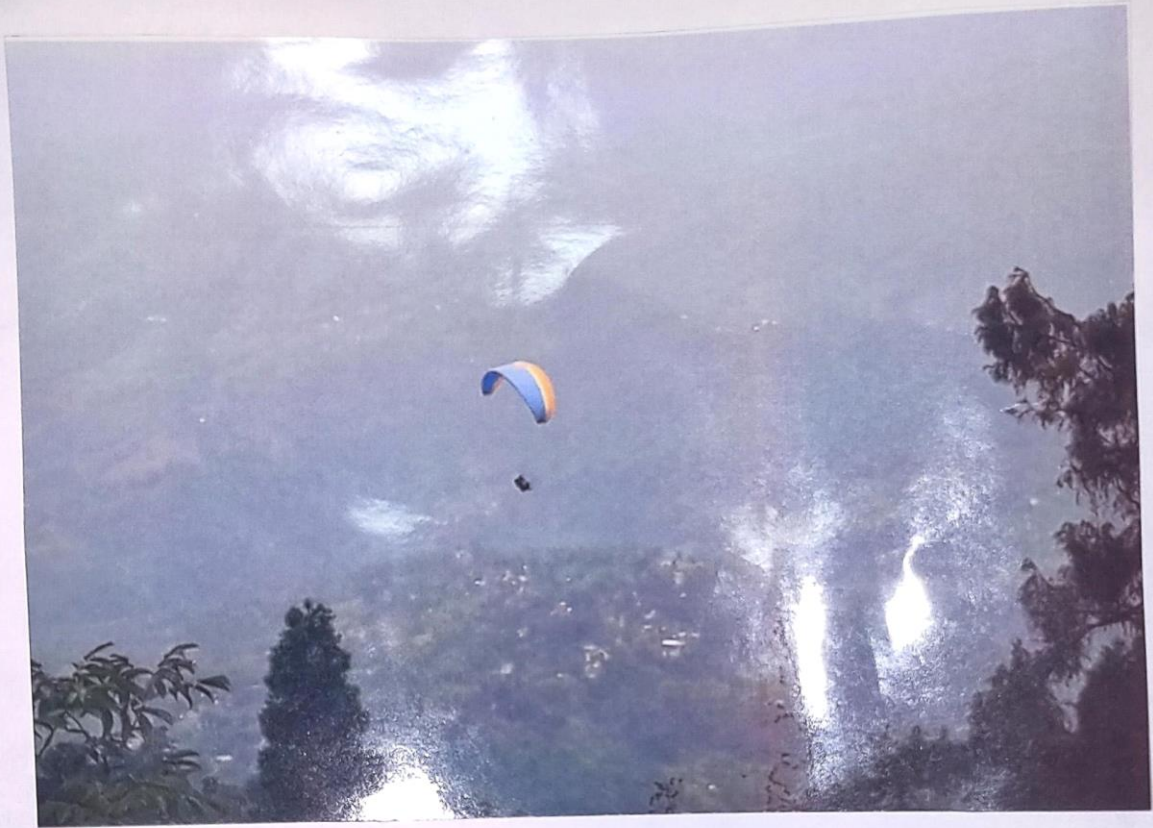
Botanical Excursion of 2018-19 batch.

PHYSIOGRAPHY OF THE STUDY REGION :

Lava is a small hamlet situated 30 kilometers east of the town of Kalimpong through Algarah in Kalimpong district of the state of West Bengal, India. Lava is situated at an altitude of 7,200 feet (2,195 m). It receives snow in winter. The route to lava is scenic with the change in vegetation from tropical deciduous to wet alpine trees of fir, pine and birch. Temperature decreases below 0°C in winter. Lava can be reached through Gorubathan from Darjiling or Malbazar of Jalpaiguri District. Distance from Gorubathan is 50 kilometers.



The direction from Siliguri to
Lava.



The physiography of the study region

TOUR DIARY :

2nd June

We assembled at the Santragachi station at 9.00 am to catch the NTP (New Jalpaiguri) Summer Special Express.

3rd June

We reached NTP station at 1.45 am, covering a distance of 509 km. Hired an auto to reach our hotel and stayed there in Siliguri. At 9 am in the morning we started our journey for Lava in a jeep.

We reached our destination at 1.20 pm, after a quick refreshment we went for a local group collection.

In the evening, we went to the Lava monastery, all of us performed some collections of lower group there inside the monastery area.

4th June

At sharp 9 am in the morning we went for a trip to the log house and continued towards Rishop through the forest. Many specimens were collected. It was somewhat 4 to 5 hours trip.

Soon there was rainfall and we couldn't go for another trip in the evening.

5th June

At 8 am we left Lava and started our return journey to Siliguri. On our way back to Siliguri we went to Deola hills in Kalimpong. We also had a visit to a nursery in Kalimpong. And reached Siliguri at 3 pm.

6th June

We reached NTP station at 5 am, and boarded the Satapdi Express to reach Howrah station. We reached Howrah by 2 pm.

CONCLUSION :

The botanical excursion was carried out in Lava hills was primarily due to its vast forest cover with plentiful diversity. It has a great reserve for bryophytes, pteridophytes, gymnasperms and angiosperms. Many species of these groups were observed and many specimens collected.



LIST OF THE PLANTS OBSERVED DURING THE EXCURSION :

BRYOPHYTES :

Marchantia sp

Anthoceros sp

Funaria sp

Porella sp

Asterella sp.

PTERIDOPHYTES :

Selaginella sp

Lycopodium sp

Lyathea (tree fern)

Pteris sp

Dryopteris sp.

GYMNOSPERMS :

Cryptomeria japonica

Pinus sp.

These following plants were observed growing in the natural habitat of Lawa forest. And were observed and collected during the trip.

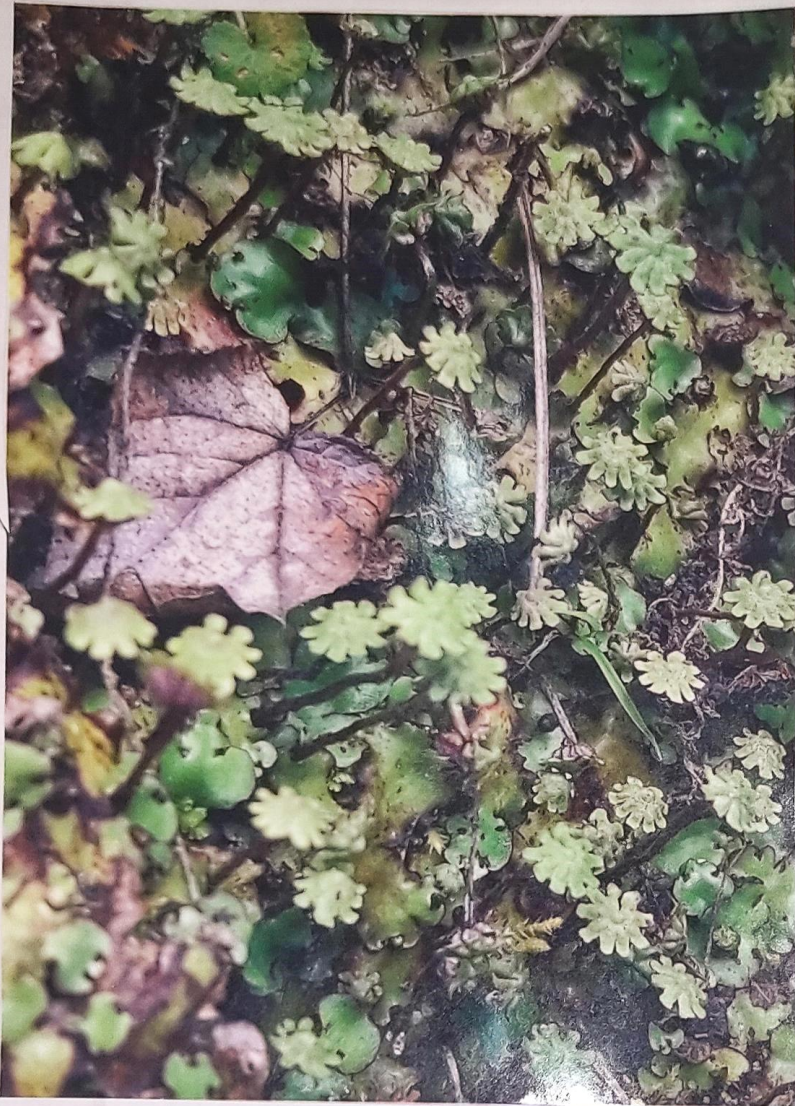
LICHENS :



Lichens were also observed in the study area.



SOME OBSERVED BRYOPHYTES :



Marchantia sp



Anthoceros sp

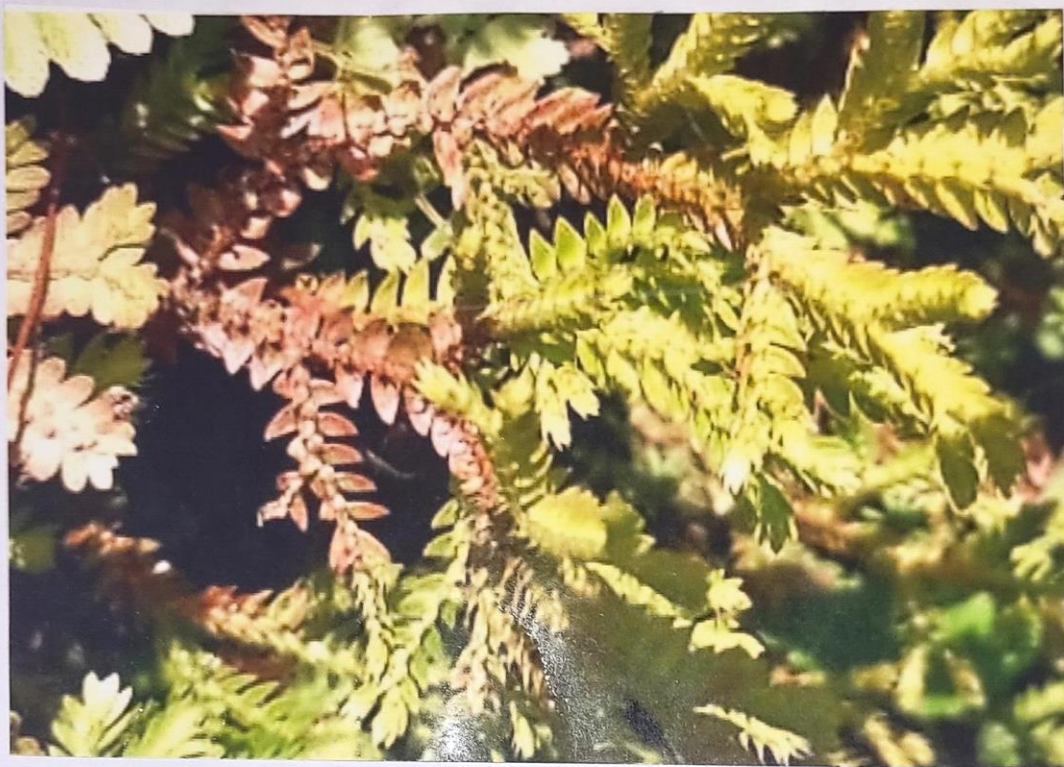


Porella sp

SOME OBSERVED PTERIDOPHYTES :



Lyathea (tree fern)



Selaginella sp



Lycopodium sp

SOME OBSERVED GYMNOSPERMS :



Cryptomeria japonica

Some angiosperms were also seen, since it was not our main look out we did not have these specimens collected.

Among the angiosperms found, some are :

Orchids

Hydrangea macrophylla

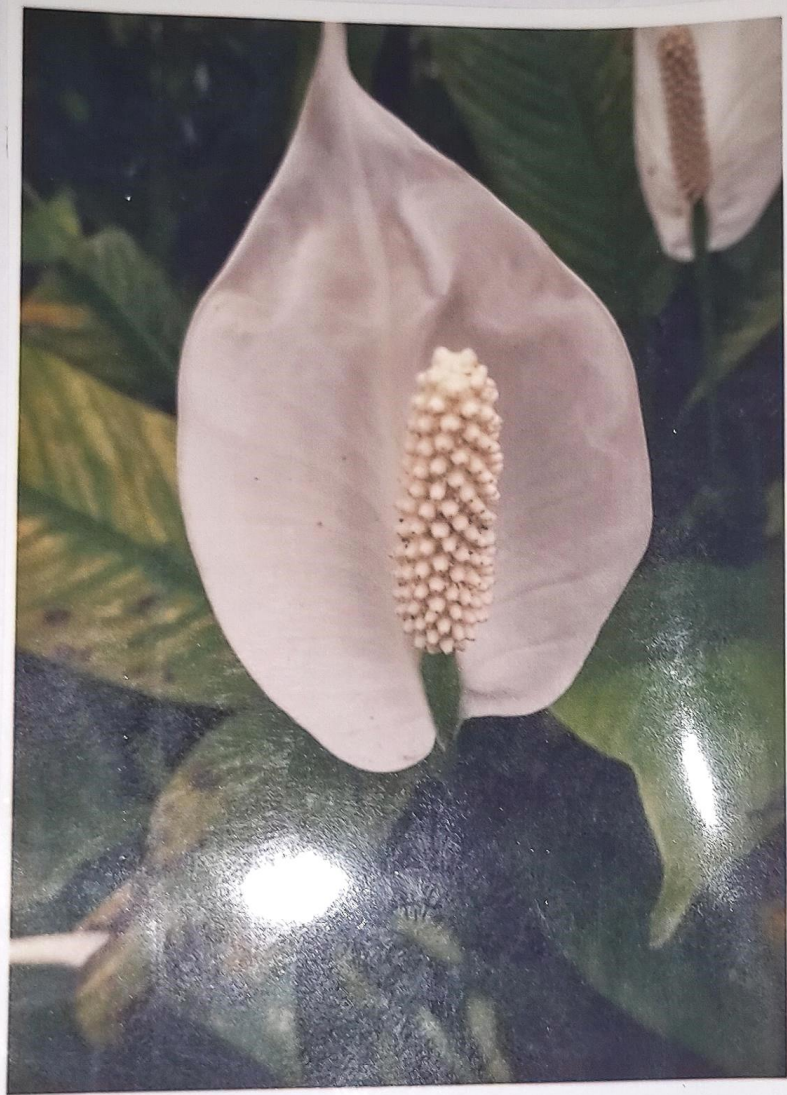
Spathiphyllum wallisii

Kniphofia uvaria



Hydrangea macrophylla

SOME OBSERVED ANGIOSPERMS :

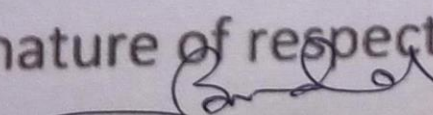


Spathiphyllum wallisii

CERTIFICATE

This is to certify that Sir. Benudhar Mandal and Madam Kajari Lahiri , along with the students of Botany (H) 2nd Semester of Bidhannagar college, Saltlake , have performed the botanical excursion in an appropriate location and collected the plant specimens and preserved as directed by the West Bengal State University syllabus.

Signature of respective professors

 19.7.19
Shri Benudhar Mandal and Dr. Kajari Lahiri .

Kajari Lahiri 19.7.19