

REPORT

**BOTANICAL STUDY TOUR-CUM AWARENESS PROGRAMME ON
CULTIVATION & EXTRACTION OF ESSENTIAL OILS FROM MEDICINAL
AND AROMATIC PLANTS**

AT



CSIR FIELD STATION IIIM PUWAMA

Arranged for 5th Semester Students

(Batch 2019)

On

08th JUNE, 2022

Submitted to

PRINCIPAL

Prepared by

DEPARTMENT OF BOTANY

GOVERNMENT DEGREE COLLEGE BEERWAH

Introduction:

Botanical tour to CSIR Field Station IIIM Pulwama was carried out on **08th of June, 2022**, for which students of **B.Sc. 5th semester** were selected for the training programme related to the cultivation of Medicinal and Aromatic plants. In this tour **30 students** participated which were accompanied by 2 teaching and one non-teaching faculty member. The entire programme was conducted under the guidance and supervision of Dr. Mansoor Ahmad Lone, Head of the Botany Department. The transportation facility provided by the College management included one college bus along with the driver and conductor for the facilitation of students. The college bus along with the students and faculty members departed the college at sharp 8:40 a.m. The students were given a first tea break half way and ultimately after 3 hrs journey, we reached 12:00 noon. The students were dropped in the field station and guided towards the guest house where the awareness programme was scheduled to commence at 12:15pm. Right on the scheduled time the programme and started and all the students were enlightened with the cultivation techniques of some important medicinal and aromatic plants present in the field station by field expert **Dr. Iqra Shah** under the supervision of **Nodal Scientist Dr. Shahid Rasool, IIIM Jammu**. During this entire one day Awareness programme, students were given instruction and hand on experience regarding cultivation and extraction of essential oils and medicines from the Medicinal and Aromatic plants like

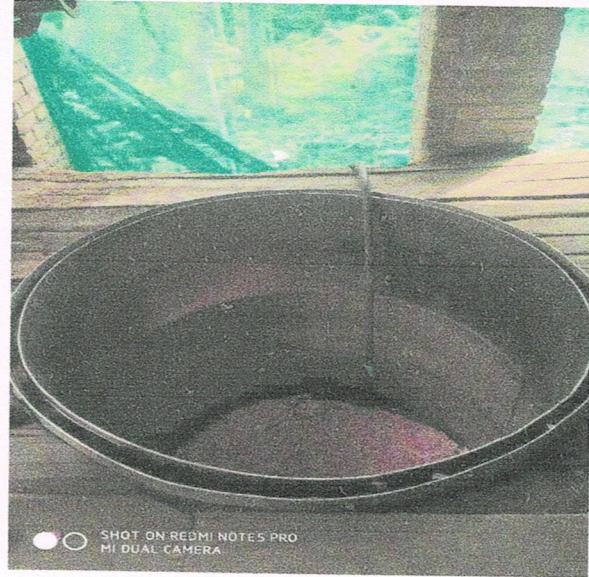


Lavender, Rose, Salvia.

Distillation unit was also shown to students where oil distillation process was shown to them.

Visit of Lavandula field along with the experts.

Visit of Distillation unit having rose petals in the chamber for extraction and refinery.



Classification of students was also done before their field visit at the station.

After the completion of Awareness Programme and other assignments like training and field visit, the entire team left the field station at 4:30 p.m. and the college bus reached the college at 6:30 p.m. safely.



Objectives of the Tour

The overall objective of the Botanical tour was to enhance learning capacity of the students in the field of Medicinal Botany,

Specific objectives of the tour:

1. Study of Medicinal and Aromatic Plants
2. To study the habit and habitat of the plants with special reference to Lavendula and Salvia.
3. Study of biodiversity Industrially important plants.
4. To explore the field of medicinal and aromatic plants.
5. Collection of relevant plant material
6. To get training about distillation of essential from the plants.

Conclusion:

It was a successful study cum Awareness programme at IIIM Field Station Pulwama conducted by the Department of Botany for 5th semester Botany students. All the participants were satisfied with the awareness cum training programme. The students got hands on experience regarding certain cultivation and distillation techniques used in the field of Medicinal Botany and Phytochemistry.

Acknowledgement:

The Department of **Botany** is highly thankful to the Worthy Principal **Dr. (Prof.) Fahmeeda Bano** who not only sanctioned but encouraged the Department for the tour as well. Such type of Awareness programme was conducted after a long period of time and students were highly impressed by all the facilities and instructions provided to them by the concerned officials.