

**Late Ku. Durga K. Banmeru Science College, Lonar. Dist.
Buldana. 443302.**

Department of Botany

2019-20

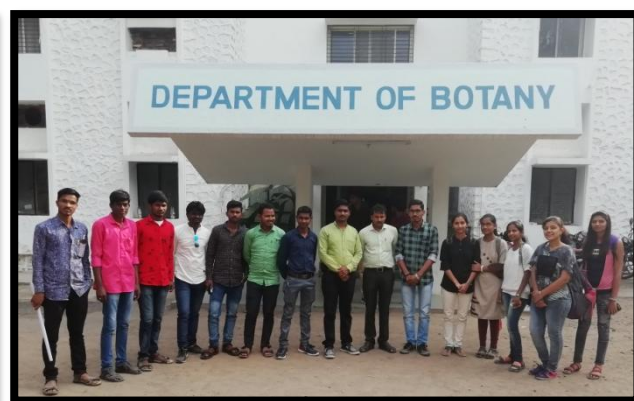
Report for Study Tour

Long Study Tour organized to visit Department of Botany (include Plant Tissue Culture Laboratory, Mushroom Cultivation Laboratory, Herbarium, Medicinal Plant Garden & Historical Museum at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Date of Visit: 08.02.2020

Participated Students: B.Sc. I sem II: 19 B.Sc. III sem VI: 18

During the visit, students have closely observed the Department of Botany, Research Laboratory of Plant Tissue Culture, Herbarium preparation & Preservation, Mushroom Cultivation Technology, Molecular Biology, Plant Taxonomy laboratory. Students also observe the Medicinal Plants & Avenue Plants, Gymnospermic Plants & Botanical Garden. Students also learn about the details of the Equipments & their working; PCR, Gel Electrophoresis, Cold Centrifuge, Laminar Air Flow Chamber, Fluorescence Microscope, Gel Documentation, Culture media preparation, Plant Tissue Culture & technique, Mushroom Cultivation technique, Herbarium Preparation technique & applications. Students also visited to Angiosperm taxonomy laboratory, Medicinal Plant Garden where they closely observe the potential Medicinal Plants, aromatic plants, avenue trees, Gymnosperm plants (*Cycas* sp. *Zamia* sp., *Pinus* sp.) & other economically important plants. Dr. Dhabe (HOD), Dr. Mane & Dr. Pandhure (Faculty), Dr. Uchitkar (Herbarium Curator), Dr. Laxman Shimple (Lecturer) guide to the students & give the detail introduction about respective field of Botanical Science. Apart from this students also visited to world famous Historical Places like "BIBI KA MAKBARA" & "HISTORICAL MUSEUM, AURANGABAD". Students have prepared the Tour Report of Long Tour and submit at the time of Practical Exam.



Study tour visit to Dept. of Botany

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Visit to Herbarium Preparation Unit & Applications



Visit to Plant Tissue Culture Lab



Visit to Mushroom Cultivation Laboratory

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SHORT STUDY TOUR REPORT

Date & Time: **22/09/2019 at 9.00 am**

Place of Tour: **Lonar Crater, Lonar**

Organized by: **Department of Botany**

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Lonar, Dist. Buldana. 443302.

Participated Students: **21 students of B. Sc. Ist Sem-I & 15 students of B. Sc. IInd Sem- III**

Lonar Crater is developed by large meteoritic impact & government declared as a small wild life sanctuary. The area of crater is cradle for huge Biodiversity. The saline water of Lake has unique characteristic, having alkaline pH (more than 10.5). The different habitats present at lake, which support various life forms including plants, animal, insects, fungi, microbes & aquatic flora. Therefore, the short tour was organized on 22 Sept, 2019 to visit Lonar Crater & its surrounding.

During the visit, the Tour Incharge Dr. Mahendra R. Bhise (HEAD & Assit. Professor, Dept. of Botany) firstly introduce about the history of Lonar crater, formation, different habitats, forest type, Archeological importance etc to the students gathered at '*Dhar mandir*'. Then also introduce about each important plants belonging to algae, bryophytes, Pteridophytes, Angiosperms, Medicinal Plants & other economically important plants. Students have closely observed each and every different plant from various groups. In this the Unique algae found in saline water i.e. *Spirullina*; Pteridophytic plant *Actinopsteris* sp.; Bryopytic plants *Riccia*, *Plagiochasma*, *Funaria* and medicinal plants, *Writia tinctoria*, *Abrus precatorius*, *Adhathoda vasica*, *Caesalpinia* sp. etc are introduced along with its uses to students by tour incharge. He has also introduced the plant families & how to identify the plant by floral characters. The students of B. Sc. II had collect some specimens for preparing Herbarium as it is the part of their projects. Students have prepared the Tour Report of Short Tour and submit at the time of Practical Exam.



Tour incharge introducing the available habitats to students

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Actinopteris sp. (Pteridopyte)



Riccia sp. (Bryophytes)



Bryophytes



B.Sc. II students



B.Sc. Ist students



Tour incharge introducing the plant to students