

Shikshan Prasarak Sanstha's
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Kavathe Mahankal, Dist-Sangli

Department of Botany

A Report on Fossil Museum



Introduction

Department of Botany established in the year of 1989. Department targets at providing an environment that encourages, promotes and stimulates the intellectual, professional and personal development of the student. The curriculum caters to the all-round development of the student, preparing globally ready individuals into the fast pacing world. A three-year bachelor's degree program in Botany provides the foundation for prospective botanists to pursue a graduate level education or find an entry level career. Department has created fossil museum, the purpose of fossil museums is to collect, preserve, interpret, and display fossils of artistic and to show scientific significance for their study.

Objectives:

The main objectives of creating museum are

- **Preserving collections:** Museums preserve and conserve collections of material and intangible heritage to ensure they remain intact for future generations.
- **Educating the students:** Museums offer educational experiences for the students through exhibits, research, and interpretation.
- **Changing public perception:** Museums aim to change how the public views the world through their collections and displays.
- **Promoting Indian culture:** Museums can promote civic pride or nationalistic endeavors.
- **Attracting students:** Museums can attract students to study more about fossils.

FOSSIL MUSEUM

Fossil Museum



Explanation of Plate Figures

Plate I: Figs. 1 – 2

1. *Neocalamites foxii* Lele showing shape of the leaf and venation pattern.
2. *Phyllothea indica* Bunbury showing shape of the leaf and venation pattern.

PLATE - I



Fig - 1



Fig - 2

Explanation of Plate Figures

Plate II: Figs. 3 – 4

3. *Schizoneura gondwanensis* Feistmantel showing shape of the leaf and venation pattern.
4. *Neomariopteris hughesii* Maithy showing shape of the leaf and venation pattern.

PLATE – II



Fig - 3



Fig - 4

Explanation of Plate Figures

Plate III: Figs. 5 – 6

5. *Glossopteris bosei* Chandra and Surange showing shape of the leaf and venation pattern.
6. *Glossopteris communis* Feistmantel showing shape of the leaf and venation pattern.

PLATE - III



Fig - 5



Fig - 6

Explanation of Plate Figures

Plate IV: Figs. 7 – 8

7. *Glossopteris gondwanensis* Pant and Gupta showing shape of the leaf and venation pattern.
8. *Glossopteris indica* Schimper showing shape of the leaf and venation pattern.

PLATE - IV



Fig - 7



Fig - 8

Explanation of Plate Figures

Plate V: Figs. 9 – 10

9. *Glossopteris intermittens* Feistmantel showing shape of the leaf and venation pattern.
10. *Glossopteris nimishea* Chandra and Surange showing shape of the leaf and venation pattern.

PLATE - V



Fig - 9



Fig - 10

Explanation of Plate Figures

Plate VI: Figs. 11 – 12

11. *Glossopteris raniganjensis* Chandra and Surange showing shape of the leaf and venation pattern.
12. *Glossopteris retusa* Maheshwari showing shape of the leaf and venation pattern.

PLATE - VI



Fig - 11



Fig - 12

Explanation of Plate Figures

Plate VII: Figs. 13 – 14

13. *Glossopteris spatulata* Pant and Singh showing shape of the leaf and venation pattern.
14. *Glossopteris stenoneura* Feistmantel showing shape of the leaf and venation pattern.

PLATE - VII



Fig - 13



Fig - 14

Explanation of Plate Figures

Plate VIII: Figs. 15 – 16

15. *Glossopteris tenuifolia* Pant and Gupta showing shape of the leaf and venation pattern.
16. *Glossopteris tenuinervis* Pant and Gupta showing shape of the leaf and venation pattern.

PLATE - VIII



Fig - 15



Fig - 16

Explanation of Plate Figures

Plate IX: Figs. 17 – 18

17. *Glossopteris longicaulis* Feistmantel showing shape of the leaf and venation pattern.
18. *Glossopteris varia* Pant and Gupta showing shape of the leaf and venation pattern.

PLATE - IX



Fig - 17



Fig - 18

Explanation of Plate Figures

Plate X: Figs. 19 – 20

19. *Glossopteris vulgaris* Pant and Gupta showing shape of the leaf and venation pattern.
20. *Gangamopteris cyclopteorids* Feistmantel showing shape of the leaf and venation pattern.

PLATE - X



Fig - 19



Fig - 20

Explanation of Plate Figures

Plate XI: Figs. 21 – 22

21. *Palaeovittaria kurzii* Feistmantel showing shape of the leaf and venation pattern.
22. *Euryphyllum elongatum* Srivastava showing shape of the leaf and venation pattern.

PLATE - XI



Fig - 21



Fig - 22

Explanation of Plate Figures

Plate XII: Figs. 23 – 24

23. *Euryphyllum maithy* Chandra and Surange showing shape of the leaf and venation pattern.
24. *Gondwanolepis linearis* Banerjee showing shape of the scale leaf and venation pattern.

PLATE - XII



Fig - 23



Fig - 24

Explanation of Plate Figures

Plate XIII: Figs. 25 – 26

25. *Denkania* Surange and Chandra showing shape of the scale leaf and venation pattern.
26. *Bankolaea* Banerjee Female fructification showing ovules bearing cone enclosed by bract.

PLATE - XIII



Fig - 25



Fig - 26

Explanation of Plate Figures

Plate XIV: Figs. 27

27. *Ginkgoites mangliensis* sp. nov. showing shape of the leaf and venation pattern.

PLATE - XIV



Fig - 27

Departmental museum has inspired, & created lots of interest in students to study about fossils.



A handwritten signature in blue ink, appearing to read "C. G. Prasad".

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