

CHAPTER-VII

SUMMARY AND CONCLUSION

The Dissertation incorporates the findings of research work carried on the plant fossil assemblage of Sriperamatur area present in Chinglepet district of Tamilnadu the plant fossils are collected from two places namely Sriperamatur and Vellum they are preserved variously as petrifications and impressions and belong to Upper Gondwana flora the plant impressions are present on soft fine grained, yellowish white shales and collected from Sriperamatur while the petrified woods were collected from Vellum this locality is not much worked out hence the studies of woods is worth to understand fossil flora of this area.

1. Chapter-I is the Introduction and includes the classification of India Gondwana system. It also embodies the floras found in different stages of Upper Gondwana period they are given on pp.1 to 5.
2. Previous work is the second Chapter and it is related with earlier research work carried out by various workers on Indian Upper Gondwana localities, it aids data of relations between floras found in the East Coast and in other localities having similar age, it is present on pp. 6 to 26.
3. Chapter-III is the Material and Methods, it gives the informations of material used in the investigations

and methods to understand them it is given on pp.27 to 29.

4. The Geology and Topography of the area selected for the present work has been described to reveal the occurrence of fossil plants their it is given in Chapter-IV on pp.30 to 34.
5. Descriptive is the Chapter-V, it includes the fossil flora found in the area and consists of following elements
 - 1) Cycadophytes - the group includes leaf genera like Ptilophyllum, Pterophyllum and Dictyozamites.
 - 2) Conifers - the group includes following genera - Elatocladus, Pagiophyllum and Brachyphyllum. The petrified woods described here belongs to following three genera -
 - 1) Araucarioxylon, 2) Agathioxylon belonging to Araucariaceae and 3) Podocarpoxyton belonging to Podocarpaceae. These are all coniferous woods and strongly supports the occurrence of coniferous leaf genera. pp.35-75.
6. General consideration is the Chapter-VI and includes the information about occurrence of several genera included here and their occurrence in other parts of India. The discussion about flora and age of the locality is carried out in this Chapter and is given in pp.76 to 86.

7. Chapter VII is the Summary and Conclusion, it embodies the important features of different chapters of this dissertation, it is given on pp.87 to 89.
8. Chapter VIII indicates various references to the literature referred in this work which is present on pp. 90 to 104.

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