

Contents

1. Introduction

2. Materials and Methods

3. Results and Discussion

- I) Survey of Timber Markets/ Saw mill and Forest areas of Gujarat
- II) Studies on Asco and Basidiocarps leading to their identification
 - a) Morphological/ Macroscopic
 - b) Microscopic
- III) Cultural characters of certain Timber Degrading Basidiomycetes
- IV) Molecular characters of certain Timber Degrading Fungi
- V) Physiological studies on certain Timber Degrading fungi
- VI) Biochemical changes of certain Timber Rotting fungi
 - c) Tests for different Enzymes
 - d) Enzyme assay

VII) Wood decay test

VIII) Biochemical analysis of certain artificially inoculated woods

- IX) Histological and Histo-chemical studies on certain artificially inoculated timbers
- X) Ultra-structural studies of teak wood samples associated with wood rotting fungi
- XI) Bio-control of certain Timber Degrading fungi

4. Conclusions

5. References

Appendices

Page No.