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# "DIVERSITY OF WOOD DECAYING FUNGI FROM DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY AURANGABAD CAMPUS, MAHARASHTRA (INDIA)

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## ABSTRACT

The specimen of macro fungi were sun dried and kept in brown paper packet as per international mycological herbarium guidelines. Macroscopic and microscopic characters were recorded, fresh material from field and dried material in laboratory. The white rot fungi secretes enzyme which attacks not localized nears the hyphae but is wide spread and deeply diffused. The specimen of macro fungi were sun dried and kept in brown paper packet as per international mycological herbarium guidelines. Macroscopic and microscopic characters were recorded, fresh material from field and dried material in laboratory. Macroscopic observations carried out by using Cosmo Compound Light Microscope under 10X objective.

### KEYWORDS: Mycological, Macroscopic, Herbarium, Specimen

### REFERENCES

- 1. Bakshi, B.K. (1958). New records of Hymenomycetes in India. *Indian Phytopathology*. 1:88.
- **2.** Bhosle et al (2010) Taxonomy and Diversity *of Ganoderma* from the Western parts of Maharashtra (India) Mycosphere 1(3), 249—262.
- 3. Bose, S.R. (1921). Two new species of Polyporaceae. J. Ind. Bot. Soc. 2: 300-301

ISSN: 2249-7137 Vol. 11, Issue 6, June 2021

- 4. Bose, S.R. (1925). A new species of Polyporaceae from Bengal. Annals of Mycology. 23:179–781.
- **5. Bose, S.R. (1934).** Polyporaceae of Bengal X. *Journal of Departmental Science, Calcutta University.* 11:1–18.
- **6.** Faisal Hamad Chouse and Vasant Pandit Mali (2015/2016). Studies Onsome Aphyllophorales from Yedshi Ramling Wildlife Sanctuary District Osmanabad, Marathwada. Journal of advances in applied and technology Vol.2 pp 01-10.
- **7. F.H. Chouse and Vasant Mali (2020).** Diversity of aphyllophorales from latur district, Maharashtra. Bioinfolet 17 (4A) :558-567.
- 8. Ganesh, P.N. and Leevathy, K.M. (1986). New records of *Phellinus* from India. *Current Science*. 55:727–728.
- 9. Gilbertson, R.L. (1979). The genus *Pheiinus Aphyllophorales:* Hymenochaetaceae in Western North America. *Mycotoxon.* 9:51–89.
- **10. Lloyd CG. 1898–1925** Mycological Notes nos. 1–75, 1–1346.
- **11. Mali V.P, Raibhole U.k, Hembrom Manoj and Parihar Arvind (2016).** Taxonomy and Diversity of *Trametes* from Marathwada (Maharashtra) India. Journal of Medicinal Chemistry and Drug Discovery. Issue 2, Vol. 1, pp 537-546.
- **12. Mali V P (2016).** Preliminary Investigation of Aphyllophorales from Saurashtra University Campus, Rajkot (Gujarat) India. Int J Sci Info; **1(3)**: 144-150.
- 13. Mali V P. (2019). Preliminary Studies on Some Wood Rotting Fungi District Of Beed, Maharashtra. *Bioinfolet* 16 (1+2): 100-115.
- 14. Mahabale, T.S. (1978). Some interesting features of the flora of Deccan with special reference to Western Ghats in the Sahyadris. *Journal of Indian Botanical Society*. 58:197–207.
- **15. Naik–Vaidya, (1990).** Wood–rooting fungi from Karnala and Kankeshwar. Ph. D. thesis, University of Poona, Pune.
- **16. Raibhole U. K. and Mali V. P. (2013).** "Aphyllophorales from Parbhani and Nanded" Ph.D. Thesis Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
- **17. Roy, Anjali (1984).** Trends in taxonomy and Polyporaceae. *Advances in Mycology and Plant Pathology*. Edited Roychwohan. 89–103.
- **18. Ryvarden, L. (1972).** A critical checklist of the Polyporaceae in tropical East Africa. *Norwegian Journal of Botany.* **19**:229–238.
- **19. Ryvarden, L. (1990)**. Aphyllophorales: Ganodermataceae, Hymenochaetaceae, Polyporaceae. *Mem. N. Y. Bot. Gard.* **59**: 155–165
- **20. Sharma, J.R. and Ghosh, P.K. (1989).** Polypores that decay trees of Indian Botanic Garden. *Bulletin of the Botanical Survey of India.* **31:**95–102.

- **21. Sharma J. R.(1995)**, Hymenochaetaceae of India, Published by Director, Botanical Survey of India Calcutta.
- 22. Sharma, J.R. (1999). New record of Polypores from India. *Indian Journal of Forestry*. 16:186–187.
- **23. Sharma J. R. (2000)** Genera of Indian Polypores, Published by Director, Botanical Survey of India Calcutta.
- **24. Tiwari, C.K.,J. Parihar & R.K. Varma (2010)**. Addition to wood decaying fungi of India. *Journal of Threatened Taxa* 2(6): 970–973
- **25. Vasant Mali (2015).** Wood Rotting Fungi (Aphyllophorales) From Asti-1. Journal of Medicinal Chemistry and Drug Discovery. pp 699-705.
- **26. Vaidya, J.G. (1987).** Ecological characteristics of wood decay and card forming fungi from the campus of Poona University.
- 27. Vaidya, J.G. and Bhor, G.C. (1990). Medicinally important wood rotting fungi with special emphasis on Phansomba. Deerghayu VI. 1–4.
- 28. Vaidya, J.G. and Rabba, A.S. (1993b). Valid names for some common Indian wood rotting Polypores, their synonyms and authenticity II. *Journal of Indian Academy of Wood Science*. 24:35–56.
- **29. Vaidya, J.G. Nanda, M.K. and Rabba, A.S. (1991).** Community and substratum composition for wood rotting *Aphyllophorales* from Bhimashankar, Western Ghats. Proceeding Congress on Transidiscilpainary Premises of Ecology and Environment, Institute of Engineers, Pune India III 12/2, 56–70.

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