

MMO 111-P MARINE MYCOLOGY [P]

Practical Course Credit : 1

Contact Hours : 30

1. Study of representative fungal cultures: (a) Colony and (b) Morphological Characteristics.
2. Isolation and identification of fungi from marine ecosystem.
3. Extraction of fungal DNA and gel electrophoresis.

Reference Books (Composite list for theory and practicals)

1. Alexopoulos, C. J., Mims, C. W. and Blackwell, M., Introductory Mycology, John Wiley & Sons.
2. Mehrotra, R. S. and Aneja K. R., An Introduction to Mycology. Wiley Eastern Limited.
3. Deacon, J. W., Introduction to Modern Mycology, Volume 7 of Basic Microbiology, Blackwell Scientific Publications.
4. Kendrick, B., The Fifth Kingdom, Focus Publishers.
5. Davis, B. D., Dulbecco, R., Eisen, H. N. and Ginsberg, H. S., Microbiology, Harper and Row.
6. Onions, A. H. S., Allsop, D. and Eggins H. O. W., Smith's Introduction to Industrial Mycology, Edward Arnold, London.
7. Gilman J. C. and Joseph, C., A Manual of Soil Fungi, Daya Books.
8. Dade, R. J., Dematiaceous Fungi on Paint Films, Chicago State University.
9. Domsch, K. H., Gams, W., and Anderson, T-H., Compendium of Soil Fungi, Eching, IHW-Verlag.
10. Borse, B. D., Bhat, J. D., Borse, K. N., Tuwar, N. S. and Pawar, N. S., Marine Fungi of India (Monograph), Broadway Publishing House.
11. Raghukumar, C., Biology of Marine Fungi, Springer Publishers.