

MMO 107-P TECHNIQUES IN MICROBIAL OCEANOGRAPHY [P]

Practical Course Credit : 1

Contact Hours : 30

1. Microscopy of marine microorganisms: microalgae/ diatoms/ microzooplankton/fungi.
2. Enumeration of microbes.
3. Sampling and retrieval of microbes associated with marine blooms/sponges.
4. Measurements of CDOM using fluorometer.

Reference Books (Composite list for theory and practicals)

1. Grasshoff, K., Ehrhardt, M. and Kremling, K., Methods of Seawater Analysis, Verla Chem., Weinheim.
2. Jeffrey, S.W and Vesk, M., Introduction to Marine Phytoplankton and Their Pigment Signatures. In: Phytoplankton Pigments in Oceanography. UNESCO Publishing, Paris.
3. Parsons, T. R., Maita, Y and Lalli, C. M., Manual of Chemical and Biological Methods for Seawater Analysis, Pergamon Press.
4. Strickland, J. D. H. and Parsons, T. R., A Manual of Seawater Analysis, Queen's Printer and Controller of Stationery, Ottawa.