

BCO 109-P BIOPROSPECTING [P]

Practical Course Credit : 1

Contact Hours : 30

1. Isolation of marine derived archaea/ bacteria/ fungi for bioprospecting.
2. Screening isolates for a biomolecule of choice (pigment /enzyme).
3. Preliminary characterization of the product.

Reference Books (Composite list for theory and practicals)

1. Jogdand, S.N. Gene Biotechnology. Himalaya publishing house.
2. Ravi, I., Baunthiyal, M.&Saxena, J., (Eds.). Advances in Biotechnology. Springer.
3. Altman, A.& Hasegawa, P. Elsevier Plant Biotechnology and Agriculture.
4. Clark, D.&Pazdernik, N. Biotechnology.
5. Pongracz, J.& Keen, M., Medical Biotechnology.
6. Shenoy, M. Animal Biotechnology. Laxmi Publication.
7. Verma, A.& Singh, A. Animal biotechnology models in discovery and translation.