

MIO 102-P ENVIRONMENTAL MICROBIOLOGY AND BIOREMEDIATION [P]

Practical Course Credit : 1

Contact Hours : 30

- 1 Analysis of water samples - Physico-chemical: pH, temperature, COD, BOD, and microbiological
- 2 Studies on microbial adherence: BATH assay.
- 3 Study of biodegradation of aromatic compounds using TLC and ortho / meta mode of ring cleavage

References (Composite List for theory and practicals):

- 1 Scragg, A. H., Environmental Biotechnology, Longman Publishers.
- 2 Sharma, P. D., Environmental Microbiology, Alpha Science International.
- 3 Osborn, A. M. and Smith, C. J., Molecular Microbial Ecology, Taylor and Francis.
- 4 Liu, W-T. and Jansson, J. K., Environmental Molecular Microbiology, Caister Academic Press.
- 5 Norris, J. R. and Ribbons, D.W., Methods in Microbiology, Vol. 18 & 19, Academic Press
- 6 Murugesan, A. G. and Rajakumari, C., Environmental Science and Biotechnology: Theory and Techniques, MUP Publishers.