

BIOPROCESS & PHARMACEUTICAL BIOTECHNOLOGY

Semester	Subject Code	Category	Lecture	Theory	Practical		Credits
VI	21CBT61	Core Practical - III	0	0	3 hrs per week	45	3

COURSE OBJECTIVES

To create an opportunity to students for experimentally testing the principles and concepts studied in respective theory.

LIST OF EXPERIMENTS

1. Preparation of wine from grapes
2. Mushroom cultivation demo
3. Isolation of Rhizobium from root nodule of legume plant
4. Production of penicillin in lab
5. Isolation of Azotobacter from soil
6. Isolation of Antibiotic producing microorganism
7. Determination of Antimicrobial activity of Plant extract
8. Qualitative phytochemical screening of crude drugs
9. Paper and Thin layer Chromatography of plant extract

REFERENCE BOOKS

1. The Science and Practice of Pharmacy (20thed) Alfonso RG (2003) Lippincott Williams and Wilkins, Philadelphia, USA.
2. Pharmaceutical Biotechnology: Fundamentals and Applications (Eds) Crommelin DJA, Robert DS, Bernd M (2013) Informa Healthcare, UK.
3. Techniques and practice of chromatography- Raymond P. W. Scott, Vol. 70
4. Vogel's text book of Quantitative chemical analysis, 6th edition, 2004.

Syllabus Designer:

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- Mrs. J. Hanusha Assistant Professor