



MANGALORE UNIVERSITY

DEPARTMENT OF CHEMISTRY

M. SC. ORGANIC CHEMISTRY

OC P 508: Organic Chemistry Practicals – IV

COURSE OUTCOME:

Enable the students:

- To gain the knowledge about the isolation and characterization of caffeine, ricinolic acid, azelic acid, piperine, hesperidine, cysteine, casein, lycopene, carotenes, lipase and sucrose.
- To understand the extraction of groundnut oil and coconut oil, determination of saponification and iodine values. value of the oils and fats.
- To know the identification and purification of organic compounds by paper, TLC and column chromatographic techniques.
 - To learn the characterization of natural products by oxidation and derivatisation.

Isolation and Characterization of natural products like Caffeine, Ricinoleic acid, Azelic acid, Piperine, Hesperidine, Cysteine, Casein, Lycopene and enzymes like Lipase and Sucrase. Extraction of Groundnut oil and Coconut oil. Determination of Saponification oils and fats, Determination of Iodine values of oils and fats using ICl & chloramine-T. Isolation of Carotenes-Purification by paper, TLC and Column. Characterization of natural products by oxidation studies, Derivatization of natural products.