

EBO-404 PHYTOCHEMISTRY AND PHARMACOLOGY OF HERBAL DRUGS

Unit-I Phytochemistry

- Carbohydrates: mono and disaccharides, sugar alcohols, sugar acids, sugar amines.
- Polysaccharides: dextrans, inulin, matrix polysaccharides, gums and mucilages.
- Proteins: peptides, lectins.
- Lipids: volatile oils fatty acids and fatty oils, sesquiterpenes, di_, tri_ and tetraterpenes.
- Glycosides: anthraquinones, isothiocyanates, flavonols, lactones, phenols, saponins and cardiac glycosides
- Alkaloids, indoles, isoquinolines, tropanes, pyridine and piperidine, steroidal alkaloids.
- Bitter principle, phenols and tannins, antibiotics, phyto-inorganic chemistry.

Unit-II Pharmacological study of herbal drugs

- Need for phyto-pharmacological evaluation
- Evaluation of anti diabetic agents
- Evaluation of anti microbial agents
- Evaluation of anti diarrheal agents