

## **BIO-PHARMA TECHNOLOGY**

Herbal technology is a collection of techniques used for the manufacture of value added plant products. Pharmaceuticals manufactured by biotechnological methods with the products having biological sources, usually involving live organisms. It is an increasingly important area of science and technology.

- Phytochemistry
- Ethnopharmacology
- Natural Products Discovery
- Herbal drugs and pharmaceuticals
- Purification of Bioactive Metabol
- Biopesticides and Biocontrol agent

### **IN VITRO STUDIES**

#### **Antioxidant Activity**

- DPPH radical scavenging activity ,
- ABTS<sup>+</sup>
- FRAP
- Superoxide radical scavenging activity,
- Nitric oxide radical scavenging activity,
- Lipid peroxidation inhibiting activity
- Reducing power
- Metal chelating activity
- Phospho molybdenum assay

#### **Anti-Microbial Activity**

Zone of inhibition.  
MIC, MBC

#### **Anti-diabetic Activity**

- a. Alpha-amylase enzyme inhibition activity
- b. Alpha –glycoside enzyme inhibition activity.

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### **Anti-inflammatory Studies**

- a. Protein denaturation inhibiting activity
- b. Proteinase inhibiting activity
- c. HRBC membrane stabilization activity.

### **Anti Cancer Activity**

- a. MTT Assay- Cytotoxicity in
- b. cluding MCF-7, Hela, Hep-G2, MG-63 etc.,