

Department of Pharmacognosy

Consultancy Services Offered:

- Preparation of Pharmacognostic profile of crude drug
- Quality evaluation and Standardization of crude drug and natural product as per WHO guidelines
- Qualitative and quantitative estimation of phytoconstituents in herbal drug materials
- Extraction, purification and isolation of biomarkers and their characterization
- Herbal Formulation development
- Stability testing of phytoconstituents and their formulations
- Regulatory guidelines for herbal products and nutraceuticals
- Monograph preparation as per Pharmacopoeias
- In vitro cultivation of plants cells for the production of bioactive constituents
- Micropropagation of endangered and threatened medicinal plants
- Conservation of endangered and threatened medicinal plants
- DNA Fingerprinting and molecular identification of closely associated medicinal plants
- Exploration of marine natural products
- Herb-Drug Interaction
- ADME and Pharmacokinetic and Pharmacodynamic of herbal drugs
- Development and evaluation of herbal cosmetics
- Diabetic wound healing from natural sources
- Formulation development for Rheumatoid Arthritis
- Microbial load and decontamination of plants materials and their estimation
- Novel formulation development of herbal materials
- Development of novel excipients from natural products

List of sophisticated equipments

1. Microwave Assisted extraction assembly
2. Laminar air flow
3. In-vitro culture facilities with culture rooms
4. ELISA reader and washer
5. Cell counter
6. Rotary evaporator

7. Millipore water purification unit
8. HPLC
9. Binocular microscope
10. Incubated Orbital shaker

Consultancy Projects of Department of Pharmacognosy

Sr. No	Name of Organization	Nature of work
1	Reliance Industries Limited	Planning and execution of strain collection from Maharashtra and Gujarat
2	Reliance Industries Limited	Developing strain specific ultra-structure characterization by SEM & TEM
3	Reliance Industries Limited	Developing Eco-physiological markers for pond diagnostics
4	Reliance Industries Limited	Morphological and Molecular Identification expertise development