

**VEER NARMAD SOUTH GUJARAT UNIVERSITY,
Advanced Post Graduate Diploma in Medicinal Plants**

Ethnomedicinal Studies & Medicinal Plants (DMP 102)

I. Protocol for carrying out ethnomedicinal studies

II. Medicinal plants of Gujarat

Identification, distribution and importance of following medicinal plants is expected.

Azadirachta indica

Abrus precatorius

Acacia catechu

Acacia concina

Acacia nilotica

Acacia polyacantha

Adansonia digitata

Adhatoda vasica

Adenanthera zeylanica

Adenanthera pavonina

Aegle marmelos

Aloe vera

Alstonia scholaris

Andrographis paniculata

Argyreia speciosa

Asparagus adscendens

Asparagus gonoclados

Asparagus racemosus

Bacopa monieri

Basella rubra

Boerhavia diffusa

Bombax malabarica

Bryophyllum calycina

Butea monosperma

Calotropis procera

Calotropis gigantea

Cannabis sativa

Cassia angustifolia

Ceiba pentandra

Centella asiatica

Chlorophytum borivillianum

Chlorophytum tuberosum

Cissus quadrangularis

Clerodendrum inerme

Clerodendrum multiflorum

Clerodendrum serratum

Commiphora wightiana

Costus speciosus

Crateva nurvala

Cymbopogon citratus

Desmodium gangeticum

Emblica officinale

Enicostema axillare

Erythrina indica

Euphorbia hirta

Ficus benghalensis

Ficus glomerata

Ficus religiosa

Ficus virens

Gmelina arborea

Gymnema sylvestre

Kalanchoe pinnata

Lawsonia inerme

Limonia acidissima

Mimosa pudica

Mimusops elengi

Oroxylum indicum
Oxalis corniculata
Papaver somniferum
Pedaliium murex
Phyllanthus fraternus
Piper betel
Piper longum
Piper nigrum
Plumbago zeylanica
Premna integrifolia
Psidium guajava
Pterocarpus marsupium
Rauwolfia serpentina
Rauwolfia tetraphylla
Ricinus communis
Saccharum officinarum
Saccharum spontaneum
Salvadora oleoides
Salvadora persica
Santalum album
Sapindus laurifolius

Saraca asoca
Semecarpus anacardium
Sesbania grandiflora
Smilax zeylanica
Solanum indicum
Solanum xanthocarpum
Sterculia urens
Terminalia arjuna
Terminalia bellirica
Terminalia chebula
Thespesia populnea
Tinospora cordifolia
Tribulus terrestris
Tylophora indica
Uraria picta
Veteveria zizanioides
Vigna radiate var. sublobata
Vitex negundo
Withania somnifera
Zizyphus glabrata
Zizyphus nummularia

III. Nutritional Potential of Conventional and unconventional food material of Gujarat

- *Madhuca indica*
- *Morinda citrifolia*
- *Garuga pinnata*
- *Diospiros melanoxylon*
- *Eugenia jambolana*
- *Eleusine coracana*
- *Hordeum vulgare*
- *Vigna angularis*
- *Pithecellobium aman*
- *Pithecellobium dulce*

IV. Plants of cosmaceutical importance

- *Aloe vera*
- *Santalum album*
- *Hemidesmus indicus*
- *Sapindus laurifolius*
- *Acacia concina*

V. Ambiguity & Controversy on the identity of some classical drugs

- Som
- Astavarga
- Rasna
- Pashan bhed

VI. Conservation of medicinal plants

1. Non destructive and sustainable exploitation

2. Cultivation of medicinal plants

- *Withania somnifera*
- *Chlorophytum tuberosum*
- *Andrographis paniculata*
- *Cassia angustifolia*
- *Justicia adhatoda*
- *Cissus quadrangularis*
- *Costus speciosus*

3. Micropropagation of medicinal plants

- Methods
- Development of tissue culture protocol for medicinal plants
- Possible methods of improving yield
 - Selection of strains
 - Biotechnological methods (GM etc.)

4. Vegaries of market forces and importance of co-operative movement