

## Objectives

Plant Diversity: Studying adaptation biology and understanding/exploiting medicinally important plants for useful bioactives:

- ❖ **To develop database on amplitude of adaptation to abiotic stresses in plant species across and within ecological niche(s);**
- ❖ **Studies on the role of biotic components, reproductive biology and nutrient cycling with reference to plant adaptation and ecological functioning;**
- ❖ **Understanding the possible role of chemicals (chemical ecology) genes (ecological genomics), proteins (ecological proteomics) and functioning (ecological physiology) in ecosystem; and**
- ❖ **Continuation of studies of XI plan project entitled “Exploratory studies on climate change and adaptation of species complexes-NWP 020” on species response to elevated CO<sub>2</sub> under FACE and field conditions in different ecosystem.**