

## MAJOR THRUST AREAS

- Development of high yielding crop varieties for emerging farming systems with low input, tolerant to biotic/abiotic stresses, value addition/industrial suitability.
- Identification of markers for hybrid confirmation and genetic purity testing.
- Improvement and conservation of important plant genetic resources, pollinators and bio-control agents.
- Generation of low cost production technology for field crops and mushrooms.
- Precision farming/ protected cultivation of high value fruits, flowers and vegetable crops
- Maintenance of soil health.
- Development of technology for recycling the bio-waste (crop and animal).
- Efficient water management for control of water table and perfecting drainage technology.
- Remote Sensing and GIS applications in agriculture and environment.
- Climatic change and its impact on agricultural production
- Energy conservation through agro-forestry, improved biogas plants, harnessing solar and wind energy for agriculture.
- Diversification in agriculture for gainful employment and proper utilization of natural resources.
- Integrated pest and weed management in important cropping systems.
- Bio-control of important diseases and pests.
- Microbes in agriculture and identification of efficient microbial strains for different agro-climatic conditions.
- Low cost farm machinery/equipment development, testing and popularization.
- Optimum use of conventional and non-conventional food resources, child care and home resource management.
- Development, refinement and transfer of technologies for entrepreneurship development and capacity building
- Nutritional improvement of cereals & pulses, value-addition and quality of agriculture produce
- Protective clothing and quality improvement of underutilized fibres from natural resources