

## **THRUST AREAS OF RESEARCH**

**Plant response to heavy metal and environmental stresses**

**Air pollutional impact on plant form, function and medicinal properties**

**Characterization of medicinal plants**

**Ethnobotany and plant systematic**

**Meristematic behavior and radial growth in plants**

**Tissue culture studies for alkaloid production, clonal multiplication and preservation of endangered species**

**Proteomics of nitrogen-efficient and nitrogen-inefficient rice and wheat**

**Development of nanosensors for measurement of in vivo flux of metabolites**