

BASIC AND STRATEGIC RESEARCHES FOR SUGARCANE VARIETAL IMPROVEMENT

P1-00/1-2-4	Development of high sucrose genetic stocks utilizing Indian and exotic hybrid varieties
C1-04/1-2-8	Genome characterisation of <i>Saccharum</i> using molecular markers
P1-05/1-2-15	Identification and cloning of sugarcane specific promoters and genes coding for anti-microbial peptides with specific reference to red rot resistance
P1-06/1-2-17	Tissue culture studies on interspecific & intergeneric hybrids of <i>Saccharum</i>
P1-06/1-2-18	Population improvement for yield and quality through Recurrent Selection
P1-07/1-2-21	Identification of candidate genes and markers for red rot resistance in sugarcane
P1-09/1-2-23	Development and utilization of improved inbreds in sugarcane
P1-13/1-2-25	Exploring the possibility of using sugarcane as a platform for molecular farming
C1-13/1-2-26	Whole transcriptome sequencing of sugarcane for sucrose regulating genes
C1-13/1-2-27	Molecular cloning and characterization of genes involved in lignin biosynthesis pathway of sugarcane

C1-13/1-2-29	Development of hand held instrument for on-field fibre content measurement in sugarcane (DST Project)
P1-13/1-2-30	Study on the mechanism of chromosome elimination and allelic variation in centromeric region in sugarcane
P1-14/1-2-31	Development of transcript SSR markers for sucrose synthesis and WRKY transcription factors among the elite sugarcane clones used as parents in breeding programmes
P1-14/1-2-32	Genetic engineering of sugarcane for enhanced salinity stress tolerance
C1-14/1-2-33	Isolation and function characterization of low temperature tolerance responsive genes from high cold tolerant <i>Saccharum spontaneum</i> Arunachal Pradesh collection