

S. No.	Title	PI/ CO-PI	Funding Agency	Status	Month of submission
1	A proteomic approach for identification and characterization of new ligninolytic enzymes for improved sugarcane bagasse delignification	PI	SERB	On-going	2019-2022
Institute Funded Projects					
2	Deep sequencing of suppression subtractive libraries for prospecting differentially expressed genes / Transcription factors from the sugarcane hybrids exposed to drought and salinity stress	PI	ICAR	On-Going	2021-2024
3	Precise genome editing system in sugarcane CRISPR-Cas: altering the flowering behavior of sugarcane	CO-PI	ICAR	On-going	2016- 2021
4	Standardization of true seed production technique through developing homozygous parental lines and apomixes	CO-PI	ICAR	On-going	2015-Continuous
Completed projects:					
5	Differential Gene Expression Studies on Saccharum spontaneum in Response to Salinity Stress Tolerance	PI	ICAR	Completed	2017-2021
6	Cloning and characterization of lignin genes in an E. coli expression vector	PI	ICAR	Completed	2017-2019
7	Characterization of virus suppressor proteins in RNA viruses infecting sugarcane and developing RNAi constructs	CO-PI	DBT	Completed	2013-2015
8	Genetic engineering of sugarcane for enhanced salinity stress tolerance	PI	ICAR	Completed	2013-2016
9	DST-SERB Molecular cloning and characterization of genes involved in lignin biosynthesis pathway of sugarcane	PI	DST	Completed	2013-2015
10	Preliminary studies on lignin biosynthesis of sugarcane germplasm	PI	ICAR	Completed	2012-2013
11	Identification and cloning of sugarcane specific promoters and genes coding for anti-microbial peptides with specific reference to red rot resistance	CoPI	ICAR	Completed	2011-2012