

Institute Projects:

1. Identification of resistant gene candidate(s) in banana for tropical race 4 of *Fusarium oxysporum* f. sp. *cubense* (Dr.C.Anuradha)
2. Effective utilization of different extension methods and mass media for holistic transfer of banana technologies for different stakeholders in banana production system. (Dr.C.Karpagam)
3. Assessment of carbon sequestration, energy budgeting, biodiversity, and production potential of three different banana production ecosystems of tropical climate (Dr.G.Prabhu)
4. Design and Development of Banana Central Core Stem Juice Extractor (Dr.Shelake Pramod Shivaji)
5. Development of agro-infectious clones for the DNA viruses infecting banana (Dr.K.Nagendran)

External funded projects:

1. Network program on Precision agriculture (NePPA) (Dr.I.Ravi)
2. All India Coordinated project on Fruits (Banana) (Dr.V.Kumar-Nodal Officer)
3. ICAR-Enabling climate resilience and ensuring food and Nutritional security through gene editing in horticultural crops: sub-scheme – Application of genome editing to develop trait specific varieties / hybrids in banana crop - Gene editing to develop resistance against Foc TR4/ race1 and multiple viruses in Grand Nain banana (Dr.C.Anuradha)

DBT funded projects:

4. Banana sakthi nanoformulation – Effective delivery systems of the micronutrient mixture for improved banana cultivation (Dr.K.J.Jeyabaskaran)
5. Transgene free gene editing in high value vegetatively propagated crops - Sugarcane and Banana (Dr.C.Anuradha)
6. Accelerated Breeding of Banana (*Musa* spp) through development of Markers for fruit filling and genome selection model for yield (Dr.P.Savitha)

DST funded projects:

7. Gene editing for *Fusarium* Wilt resistance in banana (Grand Naine, AAA) (Dr. C.Anuradha)
8. Induced polyploidy: A tool to improve sterile bananas (Dr.S.Kalpana)
9. Efforts towards the development of *Fusarium* wilt resistance in banana using CRISPR/ Cas9 (Dr.Jeyabharathy Chandrasekaran)