

## GENOME SEQUENCING OF CROPS/ PATHOGENS/ INSECTS/ MICROBES

- Whole genome sequencing of Finger millet varieties: ML-365 (1<sup>st</sup> Time in the World) and PR 202
- Horsegram Genome was decoded First Time in the World, variety PHG-9 was sequenced using the combination of Illumina and Pacbio technologies
- Whole genome sequencing of Dolichos bean (*Lablab purpureus* L. Sweet)
- Whole genome Sequencing of *Indica* Rice for blast
- Whole Genome Sequencing of *Sarocladium oryza* causing sheath rot disease of rice
- Genome wide comparison of Magnaporthe species infections in Millets, Rice & Grass
- Whole genome sequencing of Yellow mite (*Polyphagotarsonemus latus*)
- 60 DNA sequences (COI–23 & ITS2–37) of eight mite species and two insect species were accessioned in NCBI-GenBank public database.
- DNA barcoding of Plant feeding mites in India (13 species) BIN (BOLD Index Number) and DOI (Digital Object Identifier) have been provided to eight species of mites by BOLD (Barcode of Life Data system).

Spider mites (Tetranychidae)	8 species
False spider mites (Tenuipalpidae)	2 species
Coconut eriophyid mite (Eriophyidae)	1 species
Broad mites (Tarsonemidae)	2 species