

Dr. Yellari Amaravathi
Assistant Professor

Specialization: DNA fingerprinting, Molecular breeding, Genetic Engineering, Omics
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Dr. Yellari Amaravathi obtained MSc (Ag) from Plant Genetic Resource, National Bureau of Plant Genetic resources (NBPGR), IARI, New Delhi in the year 2001. She Fingerprinted 126 *Musa* accession and identified 32 duplicate accessions of banana which greatly helped in formulation of core collection for *in situ* conservation. She pursued her Doctoral programme from National Institute of Plant Biotechnology (formerly NRCPB), IARI, New Delhi in the year 2006. Quantitative Trait Loci (QTLs) were mapped for seven important *Basmati* grain quality traits and identified novel genes for aroma. She identified badh1 aroma gene in the QTL interval on chromosome 4. She started her carrier by joining Defense Agricultural Research Laboratory (DARL) DRDO, Ministry of Defense as Scientist 'B' in 2005 and involved in genetic engineering of cold tolerance (Osmotin gene under CaMV35S Promoter) in vegetable crops like Tomato, Bell pepper, cucumber and radish. She joined ANGRAU as Assistant Professor in 2013 and involved in both teaching and research. Her research interests are understanding molecular mechanisms in plant pathogen interactions, exploring genes (both susceptibility and resistance) to develop durable resistance and exploitation of novel technologies like RNAi, CRISPR/Cas9 for crop improvement.

Awards & Honors

- Recipient of Gold Medal, for the outstanding academic performance and research achievements in Doctoral program, awarded by IARI (Indian Agricultural Research Institute), New Delhi in the year 2006.
- Recipient of Gold Medal, for the outstanding academic performance and research achievements in Masters Degree program, awarded by IARI (Indian Agricultural Research Institute), New Delhi in the year 2002.
- Recipient of Junior Research Fellowship, awarded by Indian Council of Agricultural Research (ICAR), New Delhi for pursuing doctoral program in the year 2001.
- Recipient of Junior Research Fellowship by CSIR, Govt. of India, (2001 -2003).
- Recipient of Senior Research Fellowship by CSIR, Govt. of India, (2003 - 2005).
- Recipient of Junior Research Fellowship, awarded by Indian Council of Agricultural Research (ICAR), New Delhi for pursuing postgraduate studies in Plant Genetic Resources.