



भाकृअनुप – केन्द्रीय कन्द फसल अनुसंधान संस्थान
श्रीकार्यम, तिरुवनन्तपुरम 695 017, केरल
ICAR-CENTRAL TUBER CROPS RESEARCH INSTITUTE
Sreekariyam, Thiruvananthapuram 695 017, Kerala



List of Institute, Externally aided and Developmental projects
(April 2023-March 2024)

Institute Projects

Sl. No.	Project Title	PI	Co-PIs
I	HORTCTCRISIL 202000901465 Mega Project 1: Conservation and utilization of germplasm of tuber crops for sustaining production	Asha K.I.	M.N. Sheela, P. Murugesan, Visalakshi Chandra C., Asha Devi A., Kalidas Pati, Krishna Radhika N. Project Associates Shirly Raichal Anil, L.K. Bharathi, Senthilkumar K.M., M.L. Jeeva S.S. Veena V.B.S. Chauhan, E.R. Harish, T. Makesh Kumar, A.N. Jyothi, H. Kesava Kumar, J. Sreekumar, R. Arutselvan, Hanume Gowda K., Sujatha T.P., Rahana, S.N.
II	HORTCTCRISIL 202001001466 Mega Project 2: Genetic improvement of tuber crops through conventional breeding and molecular approaches	C. Mohan	
1	Project 1: Breeding to evolve trait specific varieties in cassava, yams and arrowroot for productivity, earliness, quality and resistance to biotic stresses	M.N. Sheela	Asha K.I., C. Mohan T. Makesh Kumar, Asha Devi A. G. Suja, K. Susan John A.N. Jyothi, Krishna Radhika N. Visalakshi Chandra C. J. Sreekumar, Senthilkumar K.M. E.R. Harish, T. Krishnakumar P. Prakash, S. Sunitha, Sujatha T.P., Rahana S.N.
2	Project 2: Map based cloning of CMD resistant gene(s) & identification of markers associated with drought tolerance and high starch content in cassava	C. Mohan	Senthilkumar K.M. J. Sreekumar, A.N. Jyothi T. Makesh Kumar, Saravanan Raju
3	Project 3: Genetic analysis and QTL mapping for determining genetic basis of post-harvest physiological	Visalakshi Chandra C.	M.N. Sheela, Saravanan Raju Asha K.I., A.N. Jyothi J. Sreekumar

	deterioration (PPD) tolerance and enhanced shelf life in cassava		
4	Project 4: Genome analysis, identification and functional characterization of early bulking genes in cassava, abiotic stress and tuberization responsive genes in sweet potato	Senthilkumar K.M.	M.N. Sheela, C. Mohan Saravanan Raju Krishna Radhika N., J. Sreekumar CC-PI Monika Dalal (ICAR-NIPB)
5	Flagship Project 5: Genetic improvement of cassava through gene editing for modified starch	Krishna Radhika N.	Senthilkumar K.M., Sujatha T.P. T. Makesh Kumar, A.N. Jyothi
6	Project 6: Molecular characterization of nutrient homeostasis in tubers for biofortification of cassava	Sujatha T.P.	M.N. Sheela, A.N. Jyothi J. Sreekumar
7	Project 7: Phenomics approaches for physiological trait based breeding for drought and PPD tolerance in cassava	C. Mohan	Visalakshi Chandra C. Senthilkumar K.M. Krishna Radhika N., J. Sreekumar V.S. Santhosh Mithra Saravanan Raju
8	Project 8: Breeding and evaluation for development of high yielding nutritionally enriched, photo-insensitive, processable and multipurpose sweet potato varieties	Shirly Raichal Anil	Visalakshi Chandra C., S. Sunitha E.R. Harish, Saravanan Raju A.N. Jyothi, J. Sreekumar
9	Project 9: Harnessing the genetic potential of wild <i>Ipomoea spp.</i> through wide hybridization for improvement of sweet potato	L.K. Bharathi	Kalidas Pati, E.R. Harish T. Makesh Kumar Visalakshi Chandra C.
10	Project 10: Breeding for development of high starch, anthocyanin and β -carotene rich varieties in sweet potato and high yielding nutritional rich varieties in yam bean	Kalidas Pati	V.B.S. Chauhan, R. Arutselvan M. Nedunchezhiyan K. Laxminarayana
11	Project 11: Genetic improvement for drought tolerance in sweet potato and high yielding, disease tolerant nutritionally rich lines in taro	V.B.S. Chauhan	Kalidas Pati, R. Arutselvan M. Nedunchezhiyan, K. Laxminarayana Hanume Gowda K., Manas Ranjan Sahoo
12	Project 12: Breeding for earliness, quality traits and salinity tolerance in sweet potato	Hanume Gowda K.	Senthilkumar K.M., K. Laxminarayana, V.B.S. Chauhan Kalidas Pati, Saravanan Raju, Manas Ranjan Sahoo
13	Project 13: Genetic improvement of edible aroids for resistance to biotic stress and quality parameters	Asha Devi A.	Shirly Raichal Anil, S. Sunitha, S.S. Veena, Krishna Radhika N., Senthilkumar K.M., Manas Ranjan Sahoo

14	Project 14: Developing breeder seed standards and precocity of genetic vigour for tropical tuber crops	P. Murugesan	Shirly Raichal Anil Kalidas Pati, R. Arutselvan R. Umarani, CC-PI Pakmakshi Thakur(IGKV)
15	Project 15: Inducing genetic variability, characterization, grouping and developing breeding lines with large tuber size and short duration in Chinese potato	P. Murugesan	L.K. Bharathi, Sujatha T.P. H. Kesava Kumar, Visalakshi Chandra C.