

**List of Institute Projects
to be included in Annual Report 2023
(January 2023 to December 2023)**

CROP IMPROVEMENT

S. No.	Name of Principal Investigator	Name of Project	Co-Investigators & Associates	Starting date of Project	Closing date of Project
1.	Dr.M.Sheshu Madhav	Biotech 12: Identification of genomic regions conferring resistance to fusarium wilt for accelerating the development of wilt resistant tobacco cultivars.	Dr.K.Sarala Dr.K.Prabhakara Rao Dr.C.Nanda Dr.S.Ramakrishnan Dr. S.Madhavan, DFR Associate: Sri S.Bhaskar Naik	2023-24	2025-26
2.	Dr. K. Sarala	Br.9: Genetic improvement of FCV tobacco genotypes	Dr.K.Prabhakara Rao Associates: Dr.C.Nanda Dr.K.Gangadhara Sri M.Srinivas Sri A.Muthyam Sri K.Shravan Kumar	2019-20	2029-30
3.	Dr. K. Sarala	B.50: Breeding non-FCV tobacco types for desirable traits	Dr.P.Manivel Dr.M.Kumaresan Associates: Dr.K.Gangadhara Dr.K.Prabhakara Rao Sri M.Srinivas Sri K.Shravan Kumar	2005	2024
4.	Dr. K. Sarala	JL.Br.2.1: Evolving flue-cured tobacco varieties having high yield and better quality suitable for NLS area of Andhra Pradesh	Dr.K.Prabhakara Rao Associates: Sri D.Durga Rao Sri K.Giribabu	2012-13	2024-25
5.	Dr. K. Prabhakara Rao	Biotech-13: Genome editing to reduce the Tobacco Specific Nitrosamines (TSNAs) towards the production of safer tobacco.	Dr.K.Sarala Dr.M.Sheshu Madhav Dr.Anindita Paul Associates: Sri S.Bhaskar Naik Sri K.Giribabu	2023-24	2026-27

6.	Dr. K.Gangadhara	KBr.6: Breeding FCV tobacco varieties for yield and quality characters under SLS conditions	Dr.M. Anuradha Dr.J.J.Rajappa Associates: Dr.K.Sarala Dr.C.Nanda Sri K.Vidyasagar	2003-04	Long term
7.	Dr. C. Nanda	Br.19: Breeding for developing high yielding and /or disease resistance varieties/ hybrids and evaluation of advanced breeding lines of FCV tobacco suitable to Karnataka light soil (KLS) region	Dr.J.J.Rajappa Dr.M.Mahadevaswamy Dr.S.Ramakrishnan Associate: Dr.K.Gangadhara	2005-06	Long term
8.	Dr.J.J.Rajappa	Br.20: Augmentation, characterization, evaluation, conservation and documentation of tobacco genetic resources	Dr.C.Nanda Dr.S.Ramakrishnan Dr.K.Gangadhara Dr.K.Sarala Associates: Dr.K.Prabhakara Rao Sri P.Trinadh	2021-22	2025-26
9.	Dr.P.Manivel	B.51: Breeding of chewing tobacco for yield, qualities and resistance to biotic stresses	Dr.M.Kumaresan Dr.J.J.Rajappa Dr.M.Venkatesan Sri R.Rajendran Associates: Dr.K.Sarala Dr.K.Prabhakara Rao	2020-21	2027-28
10.	Dr.P.Manivel	ABrV-1: Germplasm evaluation, value addition and development of good agricultural practices of Ashwagandha (<i>Withania somnifera</i> Dunal L.) Inter-institutional – ICAR-DMAPR	Dr.M.Kumaresan Dr.Manish Das, DMAPR Dr.R.Nagaraja Reddy, DMAPR Dr.Satyanshu Kumar, DMAPR Dr.K.Suresh Kumar – IICT Associates: Dr.K.Sarala Dr.K.Prabhakara Rao	2023-24	2026-27

			Dr.Anindita Paul Dr. L.K.Prasad Dr.K.Rajasekhara Rao Dr.M.Sheshu Madhav Smt.K.Santinandivelu Dr.K.Raja		
11.	Dr.Partha Saha	CBrD-1: Genetic enhancement of chilli for nutraceuticals, value addition, commercial traits and resistance to biotic stress in <i>Terai</i> region of West Bengal	Dr.Namita Das Saha Dr.Anindita Paul Dr.C.Nanda Dr.K.Prabhakara Rao Dr.M.Sheshu Madhav Associates: Dr.K.Sarala Ms. Nandita Sahana, UBKV Mr. K.Satyanarayana	2022-23	2026-27
12.	Dr.Partha Saha	TBrD-1: Yield and quality enhancement in turmeric through suitable varietal selection in <i>Terai</i> region of West Bengal	Dr.Namita Das Saha Associates: Dr.K.Sarala Dr.T.Kiran Kumar Dr.Anindita Paul Sri Ram Krishna Sarkar, UBKV Sri J.K.Roy Barman	2024-25	2025-26

CROP MANAGEMENT

S. No.	Name of Scientist	Name of Project	Co-Investigators & Associates	Starting date of Project	Closing date of Project
1.	S.Kasturi Krishna	A.87: Agronomic interventions for enhancement of high valued traits and farm income in commercial crops	Dr.S.V.Krishna Reddy Associates: Dr.T.Kiran Kumar Dr.J.Poorna Bindu Smt.G.S.M.Annapoorna Sri G.N.S.Ganesh	2022-23	2023-24
2.	Dr.S.V.Krishna Reddy	JLA-40: Agronomic Management Practices (Standardisation of Agro-techniques) for Higher Productivity, Resource Use Efficiency and value addition of Turmeric (<i>Curcuma longa L.</i>) in irrigated Alfisols of Andhra Pradesh	Dr.T.Kiran Kumar Associates: Dr.S.Kasturi Krishna Dr.J.Poorna Bindu Sri Ch.Sudhakar Babu Sri T.Ramesh	2021-22	2024-25
3.	Dr.S.V.Krishna Reddy	JLA-41: N and K nutrient use efficiency indices for FCV tobacco grown under drip fertigation in irrigated Alfisols.	Dr.S.Kasturi Krishna Dr.J.Poorna Bindu Associates: Sri Ch.Sudhakar Babu Sri S.Simhachalam	2023-24	2024-25
4.	Dr.T.Kiran Kumar	A.88: Development of high value commercial crops based remunerative production systems through innovative approaches	Sri K.Viswanatha Reddy Dr.S.Kasturi Krishna Dr.K.Rajasekhara Rao Associates: Dr.J.Poorna Bindu Smt.K.Santinandivelu Smt. P.Srilakshmi Sri P.Sateesh Sri T.Ramesh	2022-23	2025-26
5.	Dr.T.Kiran Kumar	A.89: Carbon sequestration potential and greenhouse gas (GHG) emissions in tobacco-based production systems through sustainable crop residue management	Dr.J.Poorna Bindu Dr.Dakshina Murthy, ANGRAU Dr.K.Rajasekhara Rao	2023-24	2027-28

			Associates: Dr.Anindita Paul Dr.L.K.Prasad Smt. P.Srilakshmi Sri P.Sateesh Sri M.Deepak Kumar		
6.	Dr. M. Mahadevaswamy	A.43: Studies on crop intensification/diversification in FCV tobacco based cropping systems for increased productivity and farm returns in KLS area	Associates: Dr.S.Ramakrishnan Sri Md. Shareef	2021-22	2023-24
7.	Dr.M.Kumaresan	A.106: Crop intensification for higher farm productivity in chewing tobacco growing areas.	Dr.S.Kasturi Krishna Dr.P.Manivel Sri V.Annadurai Associates: Dr.M.Sheshu Madhav	2024-25	2025-26
8.	Dr. Partha Saha	A-71: Development of efficient agronomic techniques for enhancing productivity and improving the quality of turmeric in the Eastern Himalayan zone	Dr. Namita Das Saha Dr. Poorna Bindu Associates: Sri Ramu Nambari Sri J.K.Roy Barman	2021-22	2023-24 (terminated)
9.	Dr.J.Poorna Bindu	SS.36: Assessment of soil carbon mineralization and carbon stocks in tobacco and tobacco based cropping systems of different tobacco growing soils	Dr.T.Kiran Kumar Dr.M.Anuradha Associates: Dr..K.Rajasekhara Rao Dr.M.Sheshu Madhav Smt.K. Sridevi	2024-25	2025-26
10.	Dr.K.Rajasekhara Rao	E.90: Physical and chemical interactions of plants, pests and their natural enemies in commercial crops	Dr.V.Venkateswarlu Smt. B.Sailaja Jayasekaran Dr.Anindita Paul Dr.S.Madhavan (DFR) Associates: Dr.J.Poorna Bindu	2023-24	2024-25

11.	Dr. V. Venkateswarlu	E.89: Bioecology and management of insect pests in chillies	Smt. B.Sailaja Jayasekaran Dr.T.Kiran Kumar Associate: Sri P.Krishna	2021-22	2025-26
12.	Smt.B.Sailaja Jayasekharan	E.88: Studies on the biology and management of cigarette beetle, <i>Lasioderma serricornis</i>	Dr. V. Venkateswarlu Associate: Sri P.Krishna	2021-22	2025-26
13.	Smt.B.Sailaja Jayasekharan	E.91: Standardization of precise pesticide application utilizing Unmanned Aerial Vehicles (UAVs) for commercial crops	Dr.V.Venkateswarlu Dr.K.Rajasekhara Rao Associates: Dr.L.K.Prasad Dr.M.Sheshu Madhav Sri K.Shravan Kumar Sri T.Ramesh Sri P.Krishna	2023-24	2024-25
14.	Dr. P. Venkateswarlu	EG.18: Integrated management of chilli black thrips, <i>Thrips parvispinus</i> Karny	Dr.V.Venkateswarlu Associates: Sri M.V.Jayakrishna Sri G.Srinivasa Rao	2022-23	2024-25
15.	Dr. S. Ramakrishnan	N.22: Integrated management of root-knot nematodes and nematode disease complex in FCV tobacco in KLS	Associates: Sri Md. Shareef	2021-22	2025-26
16.	Dr.M.Venkatesan	NV.2: Biotic stress management in Ashwagandha crop	Dr.P.Manivel	2022-23	2023-24
17.	Dr.M.Venkatesan	JMLN-1: Characterisation of economically important plant parasitic nematodes in commercial crops, specific to FCV tobacco and chilli in Andhra Pradesh	Dr.T.Sirisha, DFR Dr.K.Rajasekhara Rao Associates: Sri S.Simhachalam Sri G.Srinivasa Rao	2024	2025
18.	Dr.S.K.Dam	PPD-1: Screening for resistance against hollow stalk (<i>Erwinia carotovora</i> sub. sp. <i>carotovora</i>) in <i>Motihari</i> (<i>N. rustica</i>) tobacco germplasm accessions	Dr.Namitha Das Saha Associates: Dr.Partha Saha Dr.K.Rajasekhara Rao Dr.M.Sheshu Madhav	2023-24	2025-26

19.	Dr.S.K.Dam	PPD-2: <i>In vitro</i> efficacy study of <i>Trichoderma isolates</i> for the management of soil borne fungal diseases in <i>Motihari</i> tobacco (<i>N. rustica</i>)	Associates: Dr.Partha Saha Dr.Namitha Das Saha Dr.K.Rajasekhara Rao Dr.M.Sheshu Madhav	2024	2025
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POST-HARVEST & VALUE ADDTION

S. No.	Name of Scientist	Name of Project/ Schemes	Co-Investigtors & Associates	Starting date of Project	Closing date of Project
1.	Dr. L. K. Prasad	CaVA-1: Development of laboratory level methods/techniques for the extraction of commercially viable bioactive compounds of castor oil (Collaboration with IICT)	Dr.Anindita Paul Dr.M.Anuradha Dr.Namita Das Saha Dr. Suresh Associates: Sri N.Johnson Sri K.Veeranna	2023-24	2025-26
2.	Dr. Anindita Paul	OC-25: Pesticide residues in tobacco: Development of analytical methods and monitoring	Dr.L.K.Prasad Associates:	2019-20	2023-24
3.	Dr.Anindita Paul	ChVA-1: Chemoprofiling of chilli by unveiling nutraceutical potential and sustainable waste valorization	Dr.T.Kiran Kumar Dr.K.Suman Kalyani Dr.L.K.Prasad Associates: Dr.M.Sheshu Madhav	2023-24	2025-26
4.	Dr. Y. Subbaiah	Ag.Extn-54: A study to explore post-harvest management opportunities for enhancing profitability in identified high value commercial crops.	Dr.B.Hema Dr.K.Suman Kalyani Associate Dr.S.Kasturi Krishna Sri T.Venkatesh	2021-22	2025-26
5.	Dr.K.Suman Kalyani	Ag. Extn-53: A study on opportunities for product diversification in turmeric	Dr. Y.Subbaiah Associate: Dr.J.Poorna Bindu	2021-22	2024-25
6.	Dr.B. Hema	Ag.Extn-55: A critical analysis of farmer producer organizations for entrepreneurship in commercial crops	Dr. Y.Subbaiah Dr.H.Ravisankar Dr.V.S.G.R.Naidu Sri K.Viswanatha Reddy Associates: Dr.L.K.Prasad Dr.M.Sheshu Madhav	2023-24	2025-26

7.	Dr. H. Ravisankar	ARIS-17: Data driven decision making on high value commercial crops	Dr.L.K.Prasad Sri K.Viswanatha Reddy Dr.T.Kiran Kumar Associates:	2021-22	2025-26
8.	Mr. K. Viswanatha Reddy	Agri.Econ-II: Value chain analysis of high value commercial crops	Dr.B.Hema Associate: Dr.L.K.Prasad Dr.M.Shesu Madhav	2020-21	2023-24
9.	Dr. M.Anuradha	PHYK-3: Crop, water and post-harvest management strategies for enhancing farm income and export potential in rainfed ecosystem of Andhra Pradesh	Dr.K.Gangadhara Dr.Anindita Paul Associates: Dr.J.Poorna Bindu Dr.L.K.Prasad Smt.A.Divya Sri K.Sudhakar	2021-22	2024-25
10.	Dr.Namitha Das Saha	EVS-1: Microbes based technological intervention for growth, yield, quality improvement and disease suppression in chilli under <i>Terai</i> agro-ecological region of West Bengal, India	Dr.Partha Saha Dr.J.Poorna Bindu Dr.Anindita Paul Associates: Dr.L.K.Prasad Dr.K.Rajasekhara Rao Dr.M.Shesu Madhav Sri Ramu Nambari From UBKV Dr.Somnath Mandal Dr.Nandita Sahana	2022-23	2026-27
11.	Dr.Namitha Das Saha	A.10: Permanent manurial trial on <i>Motihari</i> tobacco	Dr.Partha Saha Dr.S.K.Dam Associates: Dr. J.Poorna Bindu Dr. L.K. Prasad Dr Rajasekhara Rao Sri J.K.Roy Barman	1961	Long term

12.	Dr.Namitha Das Saha	EVS-3: Climate resilient technological interventions for enhancing nutraceuticals and other commercial traits for enhancing net income from turmeric in <i>Terai</i> region of West Bengal	Dr. Partha Saha Dr. L.K. Prasad Dr. Suman Kalyani Associates: Dr. M Sheshu Madhav Dr. Somnath Mondal (UBKV)	2023-24	2027-28
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