

**RESEARCH PRIORITY SETTING, MONITORING  
AND EVALUATION (PME) CELL,  
CTRI, Rajahmundry**



**ON-GOING RESEARCH PROJECTS  
2022-23**

## ON GOING PROJECTS - 2022-23

### CROP IMPROVEMENT

S. No.	Institute Code Number	Title of the project	Name(s) of the Investigators
1.	Br-9	Genetic Improvement of FCV tobacco genotypes	Dr. K. Sarala Dr. K. Prabhakara Rao Dr. C. Nanda Dr. K. Gangadhara Dr. U. Sreedhar
2.	B.50	Breeding non FCV tobacco types for desirable traits	Dr. K. Sarala Dr. K. Prabhakara Rao Dr. M. Kumaresan
3.	Biotech-11	Biogenesis and regulation of TSNA (Tobacco Specific Nitrosamines) in tobacco	Dr. K. Prabhakara Rao Dr. K. Sarala Dr. J. Poorna Bindu Dr. Anindita Paul Dr. D. Damodar Reddy

### CROP PRODUCTION

S. No.	Institute Code Number	Title of the project	Name(s) of the Investigators
1.	A-83	Integrated management of <i>Orobanche</i> in FCV tobacco	Dr. S. Kasturi Krishna Dr. S.V. Krishna Reddy Dr. V.S.G.R. Naidu
2.	A-86	Crop intensification and diversification for higher system productivity and profitability on tobacco growing vertisols	Dr. T. Kiran Kumar Dr. C. Chandrasekhara Rao Dr. D. Damodar Reddy

3.	<b>A-87</b>	Agronomic interventions for enhancement of high valued traits & farm income in commercial crops	Dr. S. Kasturi Krishna Dr. S.V. Krishna Reddy Dr. J. Poorna Bindu Dr. T. Kiran Kumar
4.	<b>A-88</b>	Development of most remunerative production systems involving high value commercial crops through innovative approaches	Dr. T. Kiran Kumar Dr. D. Damodar Reddy Dr. J. Poorna Bindu Dr. K. Viswanatha Reddy
5.	<b>Ag Engg- 10</b>  (Inter-institutional Project)	Development/ Adoption of the transplanter, stringing machine and hybrid curing barn for FCV tobacco	<b>CIAE Regional Centre, Coimbatore</b> Dr. Sadvatha, R.H. Dr. Aleksha Kudos Dr. T. Senthil Kumar <b>ICAR-CTRI, Rajahmundry</b> Dr. M. Anuradha Dr. T.Kiran Kumar Dr. J. Poorna Bindu
6.	<b>Ag. Extension-52</b>	Comprehensive analysis of <i>Orobanche</i> management in FCV tobacco	Dr. B. Hema Dr. D. Damodar Reddy Dr. S. Kasturi Krishna
7.	<b>Ag. Extension-53</b>	A study on opportunities for product diversification in turmeric	Dr. Suman Kalyani Dr. J. Poorna Bindu Dr. D. Damodar Reddy Dr. Partha Saha
8.	<b>Ag. Extension-54</b>	A study to explore post-harvest management opportunities for enhancing profitability in identified high value commercial crops.	Dr. Y. Subbaiah Dr. B. Hema Dr. S. Kasturi Krishna
9.	<b>Ag.Econ.2</b>	Value Chain Analysis of high value commercial crops	K. Viswanatha Reddy Dr. D. Damodar Reddy
10.	<b>ARIS-17</b>	Data driven decision making on high value commercial crops	Dr. H. Ravisankar

			Dr. D. Damodar Reddy Dr. K. Viswanatha Reddy Dr. L.K. Prasad Dr. T. Kiran Kumar
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### CROP PROTECTION

S. No.	Institute Code Number	Title of the project	Name(s) of the Investigators
1.	E-86	Studies on insect transmitted viral diseases in tobacco	Dr. V. Venkateswarlu Mrs. B. Sailaja Jayasekharan Dr. K. Prabhakara Rao
2.	E-87	Studies on role of arthropod diversity in tobacco pest management	Mrs. B. Sailaja Jayasekharan Dr. U. Sreedhar Dr. V. Venkateswarlu
3.	E-88	Studies on the biology and management of cigarette beetle, <i>Lasioderma serricorne</i>	Mrs. B. Sailaja Jayasekharan Dr. U. Sreedhar Dr. V. Venkateswarlu
4.	E.89	Bio-ecology and management of major pest in chillies	Dr.V.Venkateswarlu Mrs. B. Sailaja Jayasekharan Dr.T.Kiran Kumar

### CROP CHEMISTRY AND SOIL SCIENCE

S. No.	Institute Code Number	Title of the project	Name(s) of the Investigators
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1.	OC-25	Pesticide residues in tobacco: Development of analytical methods & monitoring	Mrs. Anindita Paul Dr. U. Sreedhar Dr. L.K. Prasad Dr. C. Chandrasekhara Rao
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#### ICAR-CTRI RESEARCH STATION: JEELUGUMILLI

S. No.	Institute Code Number	Title of the project	Name(s) of the Investigators
1.	JL.Br.2.1	Evolving flue-cured tobacco varieties having high yield and better quality suitable for NLS area of Andhra Pradesh	Dr. K. Sarala Dr. K. Prabhakara Rao
2.	JLA 40	Agronomic management practices (standardization of agro-techniques) for higher productivity, resource use efficiency and value addition of turmeric ( <i>Curcuma longa</i> L.) in irrigated alfisols of Andhra Pradesh	Dr. S.V. Krishna Reddy Dr. S. Kasturi Krishna Dr. J. Poorna Bindu Dr. D. Damodar Reddy

#### ICAR-CTRI RESEARCH STATION: GUNTUR

S. No.	Institute Code Number	Title of the project	Name(s) of the Investigators
1.	EG.17	Evaluation of management modules against tobacco budworm, <i>Helicoverpa armigera</i> (Hubner) in Southern Black Soils of Andhra Pradesh	Dr. P. Venkateswarlu Dr. U. Sreedhar
2.	EG-18 (Inter-institutional)	Integrated management of chilli black thrips <i>Thrips parvispinus</i> (Karny)	Dr. P. Venkateswarlu Dr. G.M.V.Prasada Rao (ANGRAU) Dr. K.Sireesha (YSRHU)

#### ICAR-CTRI RESEARCH STATION: KANDUKUR

S. No.	Institute Code Number	Title of the project	Name(s) of the Investigators
1.	K.Br.6	Breeding FCV tobacco varieties for yield and quality under Southern Light Soil (SLS) conditions	Dr. K. Gangadhara Dr. M. Anuradha Dr. K. Sarala Dr. C. Nanda
2.	PhyK-3	Crop, water and post harvest product management strategies for enhancing farm income and export potential in rainfed ecosystem of southern Andhra Pradesh	Dr. M. Anuradha Dr. K. Gangadhara Dr. J. Poorna Bindu Dr. D. Damodar Reddy

#### ICAR-CTRI RESEARCH STATION: HUNSUR

S. No.	Institute Code Number	Title of the project	Name(s) of the Investigators
1.	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. C. Nanda Dr. S. Ramakrishnan Dr. M. Mahadevaswamy Shri. P. Nagesh
2.	Br.20	Augmentation, characterization, evaluation, conservation and documentation of FCV tobacco genetic resources	Dr. J.J. Rajappa Dr. C. Nanda Dr. S. Ramakrishnan Dr. K. Gangadhara Dr. K. Prabhakara Rao Dr. K. Sarala
3.	A-43	Studies on crop intensification/diversification in FCV tobacco-based cropping systems for increased productivity and farm returns in KLS area	Dr. M. Mahadevaswamy

4.	N-22	Integrated management of root-knot nematodes and nematode disease complex in FCV tobacco in KLS	Dr. S. Ramakrishnan
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**ICAR-CTRI RESEARCH STATION: VEDASANDUR**

S. No.	Institute Number	Code	Title of the project	Name(s) of the Investigators
1.	A-104		Production potential and economic viability of various crops under Veda sandur conditions	Dr. M. Kumaresan Dr. D. Damodar Reddy Dr. P. Manivel Dr. J. Poorna Bindu Dr. M. Venkatesan
2.	A-105		<i>In-situ</i> soil moisture conservation practices in castor based inter-cropping system	Dr. M. Kumaresan Dr. D. Damodar Reddy Dr. P. Manivel Dr. J. Poorna Bindu Dr. M. Venkatesan Shri. V. Annadurai
3.	N-1		Development of a consortium of bioagents for biotic stress management and nutrient supplementation	Dr. M. Venkatesan Dr. J. Poorna Bindu
4.	B-51		Breeding of chewing tobacco for yield, qualities and resistance to biotic stresses	Dr. P. Manivel Dr. K. Sarala Dr. M. Kumaresan Dr. D. Damodar Reddy Dr. K. Prabhakara Rao Dr. Rajappa J.J Dr. M. Venkatesan Dr. J. Poorna Bindu Sri. R. Rajendran Sri. C. Muruganatham

5.	NV.2	Bio-ecology of bio-formulation on Hadda beetle and root-knot nematode in aswagandha	Dr.M.Venkatesan Dr.P.Manivel
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**ICAR-CTRI RESEARCH STATION: DINHATA**

Sl. No	Institute Code	Title of the project	Name(s) of the Investigators
1.	A-10	Permanent manurial trail on <i>Motihari</i> tobacco	Dr. Namita Das Saha Dr. D. Damodar Reddy
2.	A.71	Development of efficient agronomic techniques for enhancing productivity and improving the quality of turmeric in the Eastern Himalayan Zone	Dr.Partha Saha Dr. D. Damodar Reddy Dr. J. Poorna Bindu
3.	CBrD-1	Genetic enhancement of chilli for nutraceuticals, value addition, commercial traits and resistance to biotic traits and resistance to biotic stress in Terai region of West Bengal.	Dr.Partha Saha Dr.K. Sarala Dr. C. Nanda Dr. J. Poorna Bindu Dr. Anindita Paul
4.	EVS-1	Microbes based technological intervention for growth, quality improvement and disease suppression in chilli under Terai agro-ecological region of West Bengal	Dr. Namita Das Saha Dr. Pratha Saha Dr.D. Damodar Reddy
5.	EVS-2	Development of biochar co-compositing based low cost climate resilient technology for reclamation of acidic soils and improving soil health of Terai region of West Bengal	Dr. Namita Das Saha Dr. J.Poorna Bindu Dr.D. Damodar Reddy
6.	EVS-3	Climate resilient technological interventions for enhancing nutraceuticals and other commercial traits for enhancing net income from turmeric in Terai region of West Bengal	Dr. Namita Das Saha Dr. Pratha Saha Dr.D. Damodar Reddy



## EXTERNALLY FUNDED PROJECTS

Sl. No		Title of the project	Name(s) of the Investigators
1.	<b>SP- TB-1 (Soil Fertility)</b>	Assessment of soil fertility and development of online fertilizer recommendation system for FCV Tobacco growing soils of India	Dr. L.K. Prasad Dr. J. Poorna Bindu Dr. D. Damodar Reddy Dr. H. Ravisankar Dr. C.C.S. Rao
2.	<b>SP- TB-2</b>	Development and evaluation of Solar thermal energy based FCV tobacco curing systems	Dr.C.Chandrasekhara Rao, Dr. D. Damodar Reddy, Dr. L.K. Prasad, Dr. J. Poorna Bindu, Dr. S. Kasturi Krishna and Dr. M. Anuradha
3.	<b>SP- TB-3</b>	Evaluation of loose leaf barn to reduce the wood fuel requirement in FCV tobacco	Dr. M. Anuradha Dr. K. Gangadhara Dr. C.C.S. Rao Dr. D. Damodar Reddy
4.	<b>SP- TB-4</b>	Development of protocols and comprehensive analysis of cost of cultivation of FCV tobacco in different soil regions of Andhra Pradesh	Dr. K. Viswanatha Reddy Dr. D. Damodar Reddy Dr. C.C.S. Rao Dr. M. Anuradha
5.	<b>SP- TB-5</b>	Evaluation of bioconsortia for nutrient supplementation, nematode/disease control for enhancing productivity and quality of FCV Tobacco in KLS region	Dr. Rajappa J.J. Dr. M. Mahadeva Swamy Dr. Ramakrishnan Dr. Damodar Reddy
6.	<b>SP- TB-6</b>	Development and evaluation of FCV tobacco leaves stringing machine	<b><u>CIAE RC, Coimbatore</u></b>

			Dr. Sadvatha, R.H.- CIAE, Regional Centre, Coimbatore Dr. Aleksha Kudos CIAE, Regional Centre, Coimbatore <b><u>ICAR-CTRI, Rajahmundry</u></b> Dr. T.Kiran Kumar Dr. J. Poorna Bindu
7.	<b>SP-GPI (Consultancy)</b>	Sustainable Burley tobacco production in Vinukonda area of Guntur District, Andhra Pradesh	Dr. D. Damodar Reddy Dr. S. Kasturi Krishna Dr. K. Prabhakara Rao Dr. P. Venkateswarlu Dr. Hema Baliwada Dr. C. Chandrasekhara Rao
8.	<b>CRP-I 2021-22 (Fertis)</b>	Evaluation of Customized Fertilizers for FCV tobacco in NLS and SLS regions of Andhra Pradesh (Contract Research Project)	Dr. J. Poorna Bindu Dr. M. Anuradha Dr. S. Kasturi Krishna Dr. D. Damodar Reddy
9.	<b>CRP-II 2022-23 (Gujarat Boron Derivative )</b>	Potassium Schoenite	Dr. J. Poorna Bindu