

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

**ON-GOING RESEARCH PROJECTS  
2019-20**

## ON GOING PROJECTS - 2019-20

### CROP IMPROVEMENT

Sl. No	Institute Code Number	Title of the project	Name(s) of the Investigators
1.	Br-2	Evolving superior varieties of FCV tobacco through hybridization	Dr. K. Sarala Dr. A V S R Swamy Dr. K. Prabhakara Rao Dr U. Sreedhar,
2.	Biotech-6	Molecular Mapping of Important Tobacco Traits	Dr. K. Sarala Dr. K. Prabhakara Rao
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 D. Damodar Reddy

### CROP PRODUCTION

Sl. No	Institute Code Number	Title of the project	Name(s) of the Investigators
4.	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
5.	A-86	Crop intensification and diversification for higher system productivity and profitability on tobacco growing Vertisols	Dr T. Kiran Kumar Dr D. Damodar Reddy Dr. C. Chandrasekhara Rao
6.	Ag. Extn-50	Technology evaluation demonstration and impact analysis	Dr Y. Subbaiah Dr K.Sarala Dr. S.V. Krishna Reddy Dr. M. Mahadeva Swamy
7.	Ag. Extn-51	Constraint analysis and crop diversification options in FCV tobacco growing areas	Dr. Hema Baliwada Dr Y. Subbaiah Dr A.Srinivas Dr S. Kasturi Krishna

8.	<b>Ag. Extension-52</b>	Comprehensive analysis of <i>Orobanche</i> management in FCV tobacco	Dr. A. Srinivas
9.	<b>ARIS-16</b> IXX14574	Mobile app and e-advisory portal on GAPs of FCV tobacco	Dr H. Ravisankar Dr D.Damodar Reddy Dr S.Kasturi Krishna Dr K. Sarala Dr U. Sreedhar B. Hema
10.	<b>Agri. Econ-1</b> IXX13740	Critical evaluation of tobacco sector and its socio-economic impacts	K. Viswanatha Reddy Dr Hema Baliwada Dr A. Srinivas
11.	<b>Ag Engg- 10</b>  (Inter-institutional Project)	Development/ Adoption of the transplanter, stringing machine and hybrid curing barn for FCV tobacco	<b>CIAE RC, Coimbatore</b> Dr. Sadvatha, R.H., Dr. Aleksha Kudos Dr. T. Senthilkumar <b>CTRI, Rajahmundry</b> Dr M. Anuradha Dr.T.Kiran Kumar Dr. J. Poorna Bindu

#### CROP CHEMISTRY AND SOIL SCIENCE

Sl. No	Institute Code	Title of the project	Name(s) of the Investigators
12.	<b>SSMB-12</b>	Tobacco ( <i>Nicotiana tabacum</i> ) leaf and stem assisted green synthesis of silver nanoparticles and evaluation of its antimicrobial activity against agricultural plant pathogens	Dr D.V. Subhashini
13.	<b>SS-35</b>  (Inter-institutional)	Investigations on various options for effective use of oil palm biomass waste	<b>CTRI, Rajahmundry</b> Dr J. Poorna Bindu Dr D. Damodar Reddy Dr C.C.S. Rao

	Project)		Dr Kiran Kumar Tirumala K. Viswantatha Reddy  <b><u>ICAR-IIOPR</u></b> Dr K. Manorama Dr.K. Ramachandrudu Dr.R.K.Mathur
14.	<b>OC-25</b>	Pesticide residues in tobacco: Development of analytical methods & monitoring	Anindita Paul

#### CROP PROTECTION

Sl. No	Institute Code Number	Title of the project	Name(s) of the Investigators
15.	<b>E-81</b>	Bio efficacy and field evaluation of new pesticides against tobacco insect pests and diseases	Dr U. Sreedhar Dr G. Raghupathi Rao Dr S.K. Dam
16.	<b>E-86</b>	Studies on insect transmitted viral diseases in tobacco	Dr V. Venkateswarlu B. Sailaja Jayasekharan Dr. K. Prabhakara Rao Dr. G. Raghupathi Rao
17.	<b>E-87</b>	Studies on role of arthropod diversity in tobacco pest management	B. Sailaja Jayasekharan Dr U. Sreedhar Dr V. Venkateswarlu

**CTRI RESEARCH STATION: JEELUGUMILLI**

Sl. No	Institute Code Number	Title of the project	Name(s) of the Investigators
18.	JL.Br.2.1	Evolving flue-cured tobacco varieties having high yield and better quality suitable for NLS area of Andhra Pradesh	Dr A.V.S.R. Swamy Dr K. Sarala Dr K. Prabhakara Rao
19.	JLA-39	Productivity enhancement and cost cutting interventions for increased farm income in NLS tobacco production system	Dr.S.V. Krishna Reddy Dr S. Kasturi krishna

**CTRI RESEARCH STATION: GUNTUR**

Sl. No	Institute Code Number	Title of the project	Name(s) of the Investigators
20.	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 Sreddhar

**CTRI RESEARCH STATION: KANDUKUR**

Sl. No	Institute Code Number	Title of the project	Name(s) of the Investigators
21.	K.Br.6	Breeding FCV Tobacco varieties for yield and quality under Southern Light Soil (SLS) conditions	Dr P.V.Venugopala Rao Dr K.C. Chenchaiyah, Dr. K.Sarala Dr A.V.S.R. Swamy
22.	Phy.K-2 (Inter-institutional Project)	Soil, water and crop management strategies to mitigate climate induced changes in rain fed ecosystem of south coastal A.P.	Dr M. Anuradha Dr D. Damodar Reddy Dr K.C. Chenchaiyah

			<b>ICAR-CRIDA</b> Dr B. Krishna Rao Dr K. Sammi Reddy Dr M. Osman
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**CTRI RESEARCH STATION: DINHATA**

Sl. No	Institute Number	Code	Title of the project	Name(s) of the Investigators
23.	A-10		Permanent manurial trail on <i>Motihari</i> tobacco	Sunil Mandi Dr D. Damodar Reddy

**CTRI RESEARCH STATION: HUNSUR**

Sl. No	Institute Number	Code	Title of the project	Name(s) of the Investigators
24.	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 LLIGHT SOIL (KLS)REGION	Dr C. Nanda Dr M. Mahadevaswamy, Dr S. Ramakrishnan Dr S. S. Sreenivas
25.			Studies on climate risk management in FCV tobacco based cropping systems in STZ of Karnataka	Dr M. Mahadevaswamy Dr C. C.S. Rao

**CTRI RESEARCH STATION: VEDASANDUR**

Sl. No	Institute Number	Code	Title of the project	Name(s) of the Investigators
26.	B.50		Breeding non FCV tobacco types for desirable traits	Dr. A V S R Swamy Dr K.Sarala Dr M.Kumaresan R. Rajendran

27.	A103	Evaluation of integrated agro-technologies for increased crop productivity and farm returns.	Dr M. Kumaresan Dr D.Damodar Reddy
28.	N- 1 (Ved)	Development of a consortium of bio agents for biotic stress management and nutrient supplementation	Dr M. Venkatesan

### Externally funded projects

Sl. No		Title of the project	Name(s) of the Investigators
1.	SP- PPVFRI-1(CI) OXX04065	Development of Distinctiveness, Uniformity and Stability (DUS) Guidelines for FCV (Flue cured Virginia) and Bidi tobacco	Dr K. Sarala, Dr K. Prabhakara Rao Dr A.V.S.R. Swamy,, Dr D. Damodar Reddy Dr D.R. Delvadiya
2.	SP- TB-1 (Soil Fertility) OXX03975	Assessment of soil fertility and development of online fertilizer recommendation system for FCV Tobacco growing soils of India	Dr L.K.Prasad, Dr J.PoornaBindu, Dr D. Damodar Reddy, Dr H.Ravisankar Dr C.C.S. Rao
3.	SP- TB-2 (Solar Energy) IXX12915	Development and evaluation of Solar thermal energy based FCV tobacco curing systems	Dr CCS Rao Dr D. Damodar Reddy Dr L.K. Prasad Dr J. Poorna Bindu Dr S. Kasturi Krishna Dr M Anuradha

- Institute Projects: 25
  - Inter Institutional Projects: 03
  - Externally funded : 03
- Total                    31**