

**PANDIT JAWAHARLAL NEHRU COLLEGE OF AGRICULTURE & RESEARCH INSTITUTE
KARAIKAL-609 603**



**EXTERNALLY FUNDED RESEARCH PROJECTS
(COMPLETED)**

Completed projects

Agronomy

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Budget (Rs in Lakhs)
1	PJN/EP/AGR/2017/004	Eco-friendly green synthesis of nano particles from medicinal weed and its application in agriculture	DSTE, Puducherry	Dr. P. Saravanane Principal Investigator	0.62

Agricultural Economics

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Budget (Rs in Lakhs)
1	PJN/EP/AEC/2018/001	Socio Economic Impact of Farm Mechanization on Agricultural Labour in Cauvery Delta of Tamil Nadu and U.T. of Puduherry	Indian Council of Social Science Research, New Delhi	Dr. A. Pouchepparadjou Professor Project Director Mr. C. Aroutselvam Assistant Professor Co-Project Director	4.00
2	PJN/EP/AEC/2018/002	Market-led Extension through ICT based interventions	Ministry of Agriculture and Farmers Welfare, New Delhi	Dr. A. Shaik Allaudin Professor (AEX) Dr. A. Pouchepparadjou Professor (AEC) Project Directors	3.13

Agricultural Entomology

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Budget (Rs in Lakhs)
1	PJN/EP/AEN/2017/002	Evaluation of LG 1 insecticide in rice, onion and brinjal during 2016	Sulphur Nills Ltd., Mumbai	Dr. M. Kandibane, Assistant Professor Principal Investigator Dr. K. Kumar, Professor & Head Co-Principal Investigator	6.24
2	PJN/EP/AEN/2017/003	Evaluation of Dinotefuron 20 SG in rice and cotton and Pymetrozine 50 WG in rice during 2016	Bhagiradha Chemicals Industries Ltd., Hyderabad		5.00
3	PJN/EP/AEN/2017/004	Evaluation of DVA-I-001 insecticide in rice and cotton during 2016 and 2017	DVA India Chemicals Pvt. Ltd., Mumbai		7.04

Department of Plant Pathology

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Budget (Rs in Lakhs)
1	PJN/EP/PAT/2017/001	Evaluation of various fungicide molecules of M/s Sulphur Mills Pvt. Ltd., Mumbai on the management of diseases of various crops	M/s Sulphur Mills Pvt. Ltd., Mumbai	Dr. C. Rettinassababady PI Dr. C. Jeyalakshmi Co-PI- I Dr. M.Kandibane Co-PI-II	10.00

Plant Breeding & Genetics

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Budget (Rs in Lakhs)	
1	PJN/EP/PBG/2017/001	From QTL to variety : marker assisted breeding of abiotic stress tolerant rice varieties with major QTLs for drought, submergence and salt tolerances. (DBT-IRRI Network Project)	DBT, Govt. of India	Dr. S. Thirumeni Dr. K.Paramasivam Dr. S. Nadarajan	83.35	2010-16
2	PJN/EP/PBG/2017/002	Stress tolerant rice for poor farmers of Africa and South Asia (STRASA) Phase 3	Bill and Melinda Gates Foundation (BMGF) through IRRI, Phillipines	Dr. S. Thirumeni	10.42 2000 USD/Yr	2008-19
3	PJN/EP/PBG/2017/003	DNA Fingerprinting of crop varieties and hybrids	Ministry of Agriculture & Cooperation, Govt. of India, New Delhi	Dr. S. Thirumeni	25.00	2009-13
4	-	Exploitation of G. Herbaceum cotton for improving Agricultural output and Economy of the Coastal Agro. Ecosystem	ICAR-NATP	Dr. S. Thirumeni	8.46	2000-03
5	-	Evaluation of rice fallow cotton genotypes and hybrids suitable for coastal region of Karaikal	AICCIP	Dr. S. Thirumeni	1.70	2002-14
6	-	Improving salt tolerance in rice (<i>Oryza sativa</i>) through induced mutagenesis and recombination breeding	BRNS,(DAE), Govt. of India	Dr. S. Thirumeni	16.40	2007-11
7	-	Phenotyping of Recombinant Inbred Lines (RILs) for salt tolerance	(IARI-NRCPB)	Dr. S. Thirumeni	3.50	2010-12

Crop Physiology

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Budget (Rs in Lakhs)
1	New	Studies on ceedrich on Physiological and yield parameters in rice	Tropical Agro Services (India) Oct. Ltd., Chennai	Dr. S. Nadaradjan Associate Professor (CRP)	0.75

Horticulture

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Budget (Rs in Lakhs)	Period
1	-	Establishment of shade net nursery for production of hybrid vegetable seedlings	DSTE, Government of Puducherry	Dr. G. Mohammed Yassin Dr. K.A. Shanmuga Sundaram	0.70	2008-09
2	-	Hi Tech Horticulture through Precision Farming	DSTE, Government of Puducherry	Dr. R. Modan Dr. V.Sundaram	128.5	2008-16
3	-	Capacity building training on “Hi-tech cultivation of hybrid vegetable seedlings”	NABARD, CHENNAI	Dr. V.Sundaram Dr. G. Mohammed Yassin	0.91	2011-12
4	--	Studies on optimising storage conditions for vegetables in zero energy cool chamber under coastal conditions	DSTE, Government of Puducherry	Dr. V.Sundaram Dr. G. Mohammed Yassin	0.50	2012-13
5	PJN/EP/HOR/2016/002	Training farmers on Production, Post Harvest Management and Processing of Major Tropical Fruits	National Horticultural Mission	Dr. V.Sundaram Dr. M.S. Marichamy	2.10	2016 – 2017
6	New	Establishment of Model Horticulture Nursery		Dr. J. Sherley Assistant Professor	15.00	

Seed Science & Technology

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Budget (Rs in Lakhs)
1	PJN/EP/SST/2017/003	Construction of Seed storage godown for strengthening seed production programme at PAJANCOA & RI, Karaikal, Puducherry (UT)	Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Govt. of India, New Delhi, under CSS on SMSP under NMEAT	Dr.T. Ramanadane Professor Principal Investigator and Dr. P. Pandian Professor Co-Principal Investigator	52.50
2	PJN/EP/SST/2017/004	"Studies on the Agrinos VAM (Mycorrhiza) for higher yield in Rice"	AGRINOS Pvt. Ltd., New Delhi	Dr. T. Ramanadane, Principal Investigator and Dr. R. Poonguzhalan, Co-Principal Investigator	1.00
3	PJN/EP/SST/2018/005	Strengthening of GOT facilities at PAJANCOA & RI, Karaikal, Puducherry (UT)	DAC&FW, GOI under CSS on SMSP under NMEAT	Dr.T. Ramanadane Professor Project Leader	12.00
4	-	Establishment of Seed Processing cum storage Unit at PAJANCOA & RI, Karaikal	Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Govt. of India, New Delhi Under Central Sector Scheme	Dr.T. Ramanadane Professor Project Leader	34.00
5	-	Strengthening of Seed Technology Lab at PAJANCOA & RI, Karaikal			10.00
6	-	Implementation of Seed Village Scheme for Blackgram at Karaikal region			0.33
7	-	Implementation of Seed Village Scheme for Blackgram at Karaikal region			0.30

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**INSTITUTIONAL PROJECTS
(COMPLETED)**

Institutional Projects

Plant Breeding and Genetics

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Period
1	-	Evaluation of rice varieties suitable for coastal saline tracts of Union Territory of Pondicherry (SRB Scheme)	PAJANCOA & RI, KARAIKAL	Dr. S. Thirumeni	1996-2001
2	-	Evaluation of rice varieties suitable for coastal saline tracts of Union Territory of Pondicherry (SRB Scheme)	PAJANCOA & RI, KARAIKAL	Dr. S. Thirumeni	2002-2007
3	-	Evaluation of medium duration rice varieties suitable for Union Territory of Pondicherry	PAJANCOA & RI, KARAIKAL	Dr. S. Thirumeni	2000-2003
4	--	Evaluation of medium duration rice varieties suitable for Union Territory of Pondicherry	PAJANCOA & RI, KARAIKAL	Dr. S. Thirumeni	2004-2007

Horticulture

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Period
1	-	Studies on bitter gourd (<i>Momordica charantia</i> L.) genotypes for fruit yield under coastal soils of Karaikal region	PAJANCOA & RI, KARAIKAL	Dr. V.Sundaram	2001 - 2003
2	-	Evaluation of Brinjal (<i>Solanum melongena</i> L.) cultivars under coastal soils of Karaikal	PAJANCOA & RI, KARAIKAL	Dr. V.Sundaram	2001 - 2003
3	-	Evaluation of Bhendi accessions for yield and YVMV resistance	PAJANCOA & RI, KARAIKAL	Dr. V.Sundaram Dr. K.A. Shanmugasundaram	2006 – 2007

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Period
4	--	Effect of fertigation on growth and yield of bhendi under different planting densities	PAJANCOA & RI, KARAIKAL	Dr. V.Sundaram	2008
5	-	Effect of post harvest ethrel treatment and packaging on post harvest life and quality of sapota (<i>Achras sapota</i> L.) Cv. PKM 4	PAJANCOA & RI, KARAIKAL	Dr. V.Sundaram	2012
6	-	"Studies on the performance of bhendi hybrids [<i>Abelmoschus esculentus</i> (L.) Moench]"	PAJANCOA & RI, KARAIKAL	Dr. V. Sundaram, Dr. E. Venkadeswaran.	2019-20

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**EXTERNALLY FUNDED RESEARCH PROJECTS
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Department of Agronomy

Sl.No.	Number assigned	Name of the project	Funding agency	PI/CO-PI	Funds received during 2020-21 (Rs. in Lakhs)	Period
1	PJN/EP/AGR/2016/001	Studies on the evaluation of System of Ragi Intensification (SRGI)	All India Co-ordinated Small Millets, Co-operating centre, Bangalore. (AICSMIP)	Dr.AL.Narayanan Principal Investigator	0.50	Voluntary centre 2005-till date
2	PJN/EP/AGR/2016/002	Gramin Krishi Mausam Sewa (GKMS): Agro meteorological Field Unit (AMFU)	India Meteorological Department, MoES, New Delhi	Dr.AL.Narayanan Principal Investigator	16.12	Regular centre 2015-till date
3	PJN/EP/AGR/2017/003	Evaluation of cultivars for weed competitiveness under aerobic rice (un-puddled condition)	ICAR- Indian Institute of Rice, Research, Hyderabad	Dr. V. Sridevi Co-operator	0.10	Voluntary centre 1998-till date
4	PJN/EP/AGR/2017/005	AICRP (Weed Management)	ICAR- Directorate Weed Research, Jabalpur	Dr. P. Saravanane Principal Investigator	1.30	Voluntary centre 2013-till date
5	PJN/EP/AGR/2017/006	Conduct of Experiments of AICRP-FCU	AICRP_FCU, IGFRI (ICAR), Jhansi, UP	Dr. S. Mala Project In-charge	0.30	Voluntary centre 2010-till date
6	PJN/EP/AGR/2020/007	AICORPO (Sunflower)	ICAR-IIOR, Hyderabad	Dr. R. Poonghuzhalan Principal Investigator	0.40	Voluntary centre 2004-till date
7	New	Evaluation of Zymo grain rich and green grow on growth, physiology and yield of rice and vegetables	M/s United Alacrity India (Pvt) Ltd., Chennai	Dr. R. Mohan Chief Project Official	7.64	Two years (2019-2021)

Department of Agricultural Economics & Extension

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Funds received during 2020-21 (Rs. in Lakhs)	Period
1	PJN/EP/AEX/2020/001	Impact of Social Media among farmers of U.T. of Pudukkottai	Indian Council of Social Science Research, New Delhi	Dr. S. Parthasarathi Principal Investigator Dr. A. Shaik Allaudin Dr. A. Pouchepparadjou Co-Principal InvestigatorS	3.00	14 months
2	PJN/EP/AEC/2020/003	Socio Economic analysis of agrarian crisis in the Coastal belt of Cauvery Delta in Tamil Nadu and Pudukkottai	Impactful Policy Research in Social Science (IMPRESS), Indian Council of Social Science Research, Ministry of HRD, New Delhi	Dr. A. Pouchepparadjou Principal Investigator Dr. A. Shaik Allaudin Dr. S. Parthasarathi Co-Principal Investigators	4.00	24 months
3	PJN/EP/AEC/2020/004	Crop Estimation Survey (CES) under Support for Statistical Strengthening (SSS) Scheme in the Union Territory of Pudukkottai	Directorate of Economics and Statistics, Government of Pudukkottai	Dr. A. Pouchepparadjou Principal Investigator Dr. L. Umamaheswari Dr. N. Swaminathan Dr. K. S. Kumaravel Dr. T. Sivasakthidevi Mr. C. Arutselvam Dr. S. Parthasarathi Dr. S. Saravanan Dr. C. Vidhitya Co-Principal Investigators	10.00	15 months
4	PJN/EP/AEC/2020/005	Socio Economic Impact of Farmers Producers Organisations in U.T. of Pudukkottai	Indian Council of Social Science Research, New Delhi	Dr. K.S. Kumaravel Principal Investigator Dr. A. Pouchepparadjou Dr. S. Parthasarathi Dr. T. Sivasakthi Devi Co-Principal Investigators	2.26	12 months

Department of Agricultural Entomology

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Funds received during 2020-21 (Rs. in Lakhs)	Period
1	PJN/EP/AEN/2016/001	AICRIP-Entomology	ICAR-IIRR, Rajendranagar	Dr. K. Kumar, Principal Investigator	0.25	Voluntary centre 1998-till date
2	PJN/EP/AEN/2016/001	Evaluation of NNI-1702-30 WG insecticide in rice	Nichino India Pvt. Ltd., Hyderabad	Dr. M. Kandibane, & Dr. K. Kumar,	4.03	Pvt. 2020-21

Department of Horticulture

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Funds received during 2020-21 (Rs. in Lakhs)	Period
1	PJN/EP/HOR/2016/001	ICAR-AICRP on Vegetables (AICVIP) i. Varietal hybrid trial evaluation in vegetables ii. Studies on INM in bottlegourd iii. Effect of mulching on yield and quality in chilli	ICAR-IIVR, Varanasi	Dr. V. Kanthaswamy	3.42	Voluntary centre 2003-till date

Department of Plant Breeding and Genetics

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Funds received during 2020-21 (Rs. in Lakhs)	Period
1	PJN/EP/PBG/2 017/004	Breeding trials of AICRP-Small Millets	AICRP-Small Millets, ICAR, Bengaluru	Dr. V. Vengadessan	0.85	Voluntary centre 2005-till date
2	PJN/EP/PBG/2 017/005	Conduct of Plant Breeding trials of AICRIP, IIRR	IIRR, Hyderabad	Dr. V. Krishnan	0.90	Voluntary centre 1998-till date
3	New	Strengthening of existing Tissue culture lab	National Horticulture Mission of UT of Puducherry	Dr. V. Krishnan Dr. S. Nadaradjan Ms.D. Umamaheswari	-	2017-till date
4	PJN/EP/PBG/2 017/001	From QTL to variety : Genomics assisted Introgression of field evaluation of rice varieties with genes / QTLs for yield under drought, flood and salt stress	DBT, Govt. of India	Dr. S. Thirumeni Dr. S. Nadaradjan	15.00	2018-till date
5	-	Identification of traits, genes, physiological mechanisms to develop climate smart varieties for unfavourable environment (ICAR Project No. 2 and Sub Project 1)	ICAR-IRRI	Dr. S. Thirumeni	1800 USD/Yr	2017-2022

Crop Physiology Unit
Department of Plant Breeding and Genetics

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Funds received during 2020-21 (Rs. in Lakhs)	Remarks
1	PJN/EP/CRP/2017/001	Conduct of Plant Physiology Trials of AICRIP, ICAR-IIRR	ICAR-IIRR, Hyderabad	Dr. S. Nadaradjan	0.10	Voluntary Centre 2008-till date

Seed Science and Technology Unit
Department of Plant Breeding and Genetics

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Funds received during 2020-21 (Rs. in Lakhs)	Period
1	PJN/EP/SST/2016 / 001	ICAR-AICRP-National Seed Project (Crops)- Seed Technology Research (STR) Expts.	ICAR-Indian Institute of Seed Science, Mau, UP	Dr.T.Ramanadane Nodal Officer Dr. C. Rettinassababady Co-operator (Seed Pathology) Dr. K. Kumar Co-operator (Seed Entomology) Dr. C. Susheela Co-operator (Seed Production and Certification) Dr. S. Nadaradjan Co-operator (Physiology)	7.55	Regular centre of ICAR 2015-till date

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Funds received during 2020-21 (Rs. in Lakhs)	Period
2	PJN/EP/SST/2016 / 002	ICAR Seed Project : Seed Production in Agricultural Crops	ICAR-Indian Institute of Seed Science, Mau, UP	Dr.T.Ramanadane Nodal Officer Dr. P. Pandian Dr. C. Susheela Dr. S. Mala Dr. M.S. Marisamy Co-operators	6.20	Regular centre of ICAR 2015-till date
3	PJN/EP/SST/2021 / 005	<i>"Studies on the Agrinos HYT products on Fruit and Seed Yield in Tomato, Okra, Brinjal and Chillies"</i>	AGRINOS Pvt. Ltd., New Delhi	Dr. T. Ramanadane, Principal Investigator Dr. R. Poonguzhalan, Co-Principal Investigator and Dr. V. Sundaram Co-Principal Investigator	2.00 (4.00)	2020-21
4	PJN/EP/SST/2019 / 006	Seed Village Scheme	DAC&FW, GOI under CSS on SMSP under NMEAT	Dr.T. Ramanadane Project Leader	-	2019-till date

Department of Soil Science and Agrl. Chemistry

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Funds received during 2020-21 (Rs. in Lakhs)	Period
1	PJN/EP/SSAC/2017/001	Development and Validation of fertilizer prescription equation based on Soil Test Crop Response Studies (ICAR-AICRP-STCR)	ICAR- Indian Institute of Soil Science, Bhopal	Dr. U. Bagavathi Ammal Principal Investigator Dr. R. Sankar Dr. A. Baskar Dr. K. Coumaravel Co-Principal Investigators	1.58 (3.20)	Voluntary Centre 2011- till date
2	PJN/EP/SSAC/2019/002	Conduct of AICRIP Soil Science Trials of IIRR, Hyderabad	ICAR- Indian Institute of Rice Research, Hyderabad	Dr. R. Sankar Collaborator Dr. L. Aruna Junior Soil Scientist	10.17	Regular 2019-till date

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**Institutional Projects
(ONGOING)**

Department of Agronomy

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Period
1	PJN/IP/AGR/2017/001	Optimization of fertilizer levels for the salt tolerant rice cultures	PAJANCOA & RI, Karaikal	Dr. V. Sridevi Dr. R. Poonguzhalan	2017-till date

Department of Plant Breeding and Genetics

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Period
1	PJN/IP/PBG/2017/001	Evolution of Medium & Long Duration rice varieties suitable for U.T. of Pondicherry	PAJANCOA & RI, Karaikal	Dr. S. Thirumeni Principal Investigator	2017-till date
2	PJN/IP/PBG/2017/002	Evolution of rice varieties suitable for coastal saline areas of U.T. of Pondicherry	PAJANCOA & RI, Karaikal	Dr. S. Thirumeni Principal Investigator	2017-till date
3	PJN/IP/SST/2017/001	Quality seed production of Short duration paddy varieties	PAJANCOA & RI, Karaikal	Dr. P. Pandian	2017-till date
4	PJN/IP/PBG/2018/003	Improvement of Chinna Ponni, a local variety of Puducherry region	PAJANCOA & RI, Karaikal	Mrs. D. Umamaheshwari and Dr. V. Vengadessan	2018-till date

Department of Horticulture

Sl. No.	Project No.	Name of the project	Funding agency	PI/CO-PI	Status
1	PJN/IP/HOR/2020/001	Studies on the Performance of Bhendi Hybrids (<i>Abelmoschus esculentus</i> (L.) Moench)	PAJANCOA & RI, Karaikal	Dr. V. Sundaram Dr. E. Venkadeswaran	2020-till date
2	PJN/IP/HOR/2020/002	Studies on the Performance of Bitter gourd Hybrids (<i>Memordica charantia</i> (L.)	PAJANCOA & RI, Karaikal	Dr. V. Sundaram Dr. E. Venkadeswaran	2020-till date