

41st Annual Report 2011 - 2012
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41st Annual Report **(2011 - 2012)**

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Tamil Nadu Agricultural University
Coimbatore - 641 003



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41st Annual Report

(2011 - 2012)



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**DIRECTORATE OF PLANNING AND MONITORING
TAMIL NADU AGRICULTURAL UNIVERSITY
COIMBATORE - 641 003**



Tamil Nadu Agricultural University

Coimbatore - 641 003

Dr. K. Ramasamy
Vice - Chancellor

FOREWORD

Attaining the higher agricultural growth is the key factor in poverty alleviation in rural area. However, agriculture in Tamil Nadu contributes only 9.92 per cent (2009-10) to the Net State Domestic Product. Nevertheless, agriculture supports around 49 per cent of the work force and 56 per cent of the population (those living in rural area), in one way or the other, for their livelihood.

To increase the overall agricultural productivity, the productivity from irrigated crop has to be increased. This warrants better augmentation of water resources, soil moisture conservation and efficient and scientific utilisation of water to reap more crop per drop.

Rainfed area accounts for about 60 per cent of the gross cropped area. Productivity in these areas has been low on account of irregular rain fall, poor input use by resource poor farmers, low risk bearing ability, etc. Hence, research and technology transfer activities have to be strengthened so as to develop innovative farming systems and production technologies that could provide better returns to the farmers.

The labour availability for agriculture is becoming an acute problem especially during peak operations period, when large number of labourers is required for a short span of time over a large cultivable area. Farm mechanization suitable for the marginal and small farms of Tamil Nadu has to be developed and popularized.

TNAU always endeavoured to be ahead of time in its preparedness to perform education to cater to the globalizing agriculture needs, research for innovative solutions and effective technology delivery functions and in recent years has added agri-business promotion and policy interfacing as its responsibilities.

The Government of India, Government of Tamil Nadu, ICAR, State Planning Commission and various agencies in India and abroad are helpful in funding Tamil Nadu Agricultural University to carry out the activities. I wish to convey my gratitude to the teachers, researchers, non-teaching staff and farm workers who have contributed for this task. This Annual Report gives a brief outline of activities carried out in Tamil Nadu Agricultural University during 2011-2012 and I would like to appreciate the Director, Planning and Monitoring, TNAU, Coimbatore and his staff members for their efforts to compile and bring out this report in time.

Place : Coimbatore - 641 003
Date : 03.04.2013


(K. Ramasamy)
Vice - Chancellor



Tamil Nadu Agricultural University Directorate of Planning and Monitoring

Prof. Dr. G. Kathiresan, Ph.D.,
Director

PREFACE

First Green Revolution paved the way to increase the productivity and production of food grains that the per capita consumption of cereals had increased to such a level that sizable amount of population became diabetic. Considering the burgeoning population, it is imperative to have a Second Green Revolution to meet the Food and Nutritional security of the country.

The sayings of the great Saint Vallalar stated that I am worried whenever a crop is found withering. Incidentally, it reminds us the saying whenever the crop is affected even during the important Samba season.

Larger yield gaps are witnessed in several crops. In the case of pulses, it is 58 per cent, 25 per cent for cotton and 30 per cent for sunflower. Hence, adoption of scientific technologies and growing crops suitable to the soil and season alone will mitigate this bottleneck.

Moreover, adoption of technologies such as System of Rice Intensification, Sustainable Sugarcane Initiative, farm mechanization, precision farming, Integrated farming system and post harvest technologies alone we could achieve the goals of Second Green Revolution in agriculture to enhance the farm income and restore smiles in the faces of farmers.

The teachers apart from imparting education to the students are involved in the agricultural research to evolve suitable high yielding varieties and hybrids, production technologies, farm implements, value addition of produces and providing market intelligence to the farmers. They are also involved in the transfer of technologies through training to extension functionaries. Hence, they act as the backbone to the development of agriculture in the State.

Every year the events related to agricultural education, agricultural research and agricultural extension are incorporated in the Annual Report. I take this opportunity to thank the Deans of Colleges, Directors and Heads of Departments who were instrumental in providing the required information in time for bringing this Annual Report (2011 – 2012) in time. I also, place my sincere thanks on record to all Professors and staff of the Directorate of Planning and Monitoring for rendering their coordination in publishing this Annual Report.

(G. Kathiresan)
Director (P&M)

Place : Coimbatore - 641 003
Date : 03.04.2013

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1. INTRODUCTION

**Howe'er they roam, the world must follow still the plougher's team;
Though toilsome, culture of the ground as noblest toil esteem.**

- Tirukkural (1031)

Tamil Nadu Agricultural University is working on new strategies towards achieving the goal of doubling the farm productivity and tripling the farmers' income in the march towards the Second Green Revolution taking into consideration the challenges of shrinking natural resources viz., land, water and human resources for the purpose of agriculture.

Tamil Nadu occupies seven per cent of the Nation's population, four per cent of the land area and three per cent of the water resources at all India level. Hence, the productivity has to be increased by adopting scientific water management, farm mechanisation and focus on technologies that will enhance the farm income. The labour and hard work of the farming community should be rewarded with matching income. This is possible through adequate and reliable market intelligence and support. Highly productive crop varieties suitable to each and every location has to be recommended and adopted. Farm centric projects have to be taken up to achieve success. Tamil Nadu Agricultural University has added Agri Business Development as one among the major agenda viz., Agricultural Education, Agricultural Research and Agricultural Extension in order to ensure better livelihood of farmers.

Agricultural Education

Tamil Nadu Agricultural University is one of the best agricultural universities in India due to its high quality in agricultural education. It's significant role in offering agricultural education is made possible through the 11 component colleges in seven campuses and 6 affiliated colleges. The curriculum of the university is tailored to meet out the needs of the society by imparting quality education.

Tamil Nadu Agricultural University is currently offering 13 Under Graduate programmes, 38 Master and 27 Doctoral level programmes. In the year 2011 - 12, the number of students enrolled in Under Graduate programmes were 893. In seven Bachelor of Technology courses, 292 students got admitted under self supporting programme.

In the academic year 2011–12, a total of 399 students are undergoing Postgraduate studies and 194 in Doctoral programme.

At the post graduate level, i) M. Tech Food Processing and Marketing at this university and Master of Professional Studies in Food Science and Technology by Cornell University, USA and ii) M. Tech Biotechnology and Business Management in this university and Master of Professional Studies in Plant Breeding by Cornell University, USA are being offered for the benefit of the students. So far, 30 students have completed the dual degree programme successfully.

Post graduate Diploma in Capital and Commodity Markets and Organic Farming, M.Tech in Nanotechnology and M.Tech in Environmental Engineering and Ph.D in Agribusiness Management were also started during 2011 - 12. A post graduate diploma programme on Plant health management in collaboration with National institute of plant health management, Hyderabad has been initiated. Ph.D. in Econometrics re - introduced for in service candidates only.

Memoranda of Understanding (MoU) have been signed with 23 Over Seas Universities and 50 National Institutions to help Masters and Ph.D students to do extra mural research and to facilitate credit transfer.

Through placement cell, campus interviews are conducted regularly and 753 students were placed in various sectors viz., Agro Industry (213), Seed Industry (78) Food Industry (26), Fertilizer Industry (34), Non Governmental Organisations /Govt. (38), Plantations (6), Banking (337) and Civil Service and IFS (21).

Tamil Nadu agricultural University is offering many correspondence courses through the Directorate of Open and Distance Learning. At present, Diploma programme (1), PG Diploma Programmes (7), PG Degree Programmes (3), Certificate courses (16), B. F. Tech. (Bachelor of Farm Technology) for Farmers are being offered. In B.F. Tech., so far 282 farmers have been admitted. There is a subsidy of 50 per cent tuition fee from 2011 - 12.

Agricultural Research

By continuous effort on research, during 2011 - 12, thirteen new crop varieties, five new agricultural implements and three management technologies were evaluated and selected by SLVRC for the benefit of the farmers. They are,

A. New crop varieties (13):

1. TNAU Rice ADT 50,
2. TNAU Maize Hybrid CO 6,
3. TNAU Sugarcane Si 8,
4. TNAU Coconut ALR CN. 3,
5. TNAU Papaya CO 8,
6. TNAU Coccinia CO 1,
7. TNAU Bottle Gourd Hybrid CO 1,
8. TNAU Ash Gourd Hybrid CO 1,
9. TNAU Mushroom CO TG. 3,
10. TNAU Malai vembu MTP 1,
11. TNAU Niligris Kufri Potato 1 Kufri Neelima,
12. TNAU Blackgram VBN 7 and
13. TNAU Coconut VPM 4 Kera Keralam.

B. Agricultural Implements (5):

1. Arecanut harvester,
2. Tractor operated multipurpose hoist,
3. Improved coconut tree climber,
4. Pulse Line Marker and
5. Aerial access hoist for coconut harvesting.

C. Management Technologies (3):

1. Subsurface drip fertigation system,
2. Biocolour from beet root and
3. STCR based IPNS for agricultural and horticultural crops.

Agricultural Extension

Through Krishi Vigyan Kendras, 87 On Farm Testing (OFT) of newly released varieties and technologies, 182 Front Line Demonstrations were conducted and popularised, 3468 trainings were given to extension officers, rural youths and, SHGs. Farm advisory service provided was 11076 numbers.

Precision farming

Tamil Nadu Precision Farming Project is a State sponsored mega demo project implemented through Turn Key mode. In this project, drip fertigation was implemented as water saving technology to increase the productivity of crops. So far, 67,700 hectares were brought under this scheme on crops such as coconut, sugarcane, vegetables and banana, through this programme a quality seeds / seedlings / cuttings and water soluble fertilizers were issued at free of cost. Drip irrigation component was installed with Government subsidy. Technological support was provided on production technologies. Precision farming has increased the crop yields significantly. There was 20 - 40 per cent saving of water.

Automatic Weather Stations

Automatic Weather Stations were installed in 224 blocks of Tamil Nadu, one in each block. With the funds received from NADP second phase, 161 additional Automatic Weather Stations will be established so as to complete in all the 385 blocks. Medium range forecasting (6 - 8 days) are being updated through Short Message Service (SMS) to mobiles and uploaded in the website for the benefit of the farming community.

Studies on Integrated remediation for improving and managing polluted soils/ water is in operation in Tirupur, Coimbatore, Erode, and Karur districts. Soil and water samples are collected and analysed for their physico – chemical properties. Recommendation for remediation are being done based on the test results.

Seed Centre is involved in production and distribution of quality seeds for all crop varieties of TNAU. Seed production is being taken up in 36 BSP centres for 165 varieties of various classes of improved varieties as breeder, foundation and truthfully labelled seed as per the indent and demand from GOI, State and Private producers.

Apart from the above, as a part of extension activity, various technologies developed from 41 departments were carried to the farming community through the 14 Krishi Vigyan Kendras. Technologies worth to mention include, System of Rice Intensification (SRI), System of Sugarcane Initiatives (SSI), transplantation technology for redgram, Introduction of hybrid castor in precision farming system, Nano fertilizers, NUTMOD expert system for recommendation of fertilizers for crops based on soil health status, high density planting in mango, sapota, cashew and banana, briquetting technology from agro wastes, TNAU indigenous sex pheromone lure for YSB management in rice, Integrated pest and disease management package for silkworm, designer micro nutrient fertilizer mixtures and among the farm machineries, self propelled flail mower for cutting grasses and bushes, palmyra tree climbing device and automatic protray sowing machine for vegetable nursery production.

2. UNIVERSITY ADMINISTRATION

Chancellor	Thiru. Surjit Singh Barnala His Excellency the Governor of Tamil Nadu 01.04.2011 to 30.08.2011
	Thiru. K. Rosaiah His Excellency the Governor of Tamil Nadu 31.08.2011 to 31.03.2012
Pro-chancellor	Thiru. Veerapandi S. Arumugam Hon'ble Minister for Agriculture Government of Tamil Nadu 01.04.2011 to 15.05.2011
	Thiru. K. A. Sengottaiyan Hon'ble Minister for Agriculture Government of Tamil Nadu 16.05.2011 to 05.11.2011
	Thiru. S. Damodaran Hon'ble Minister for Agriculture Government of Tamil Nadu 06.11.2011 to 31.03.2012
Vice-Chancellor	Dr. P. Murugesu Boopathi Vice - Chancellor 01.04.2011 to 31.03.2012

S. No.	Designation	Name	Period	
			From	To
1.	Registrar	Dr. P. Subbian	01.04.2011	31.03.2012
2.	Dean, Agricultural College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. A. Rajarajan	01.04.2011	31.03.2012
3.	Dean, School of Post Graduate Studies, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. C. Udayasooriyan	01.04.2011	31.03.2012

4.	Dean, Horticultural College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. N. Kumar	01.04.2011	31.03.2012
5.	Dean, Agricultural Engineering College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. S. Santhana Bosu	01.04.2011	31.03.2012
6.	Dean, Agricultural College and Research Institute, Madurai - 625 104.	Dr. K. Vairavan	01.04.2011	31.03.2012
7.	Dean, Home Science College and Research Institute, Madurai - 625 104.	Dr. P. Banumathi	01.04.2011	31.03.2012
8.	Dean, Agricultural Engineering College and Research Institute, Kumalur, Tiruchirappalli - 621 712.	Dr. A. Tajuddin	01.04.2011	31.03.2012
9.	Dean, Agricultural College and Research Institute, Killikulam, Vallanadu, Thoothukudi - 628 252.	Dr. R. Ganesan	01.04.2011	31.03.2012
10.	Dean, Horticultural College and Research Institute, Periyakulam – 625 604.	Dr. V. Ponnuswamy	01.04.2011	31.03.2012
11.	Dean, Anbil Dharmalingam Agricultural College and Research Institute, Tiruchirappalli - 620 009.	Dr. V. Jayabal	01.04.2011	31.03.2012
12.	Dean, Adhi Parasakthi Agricultural College, Kalavai - 632 506	Dr. S. Ramasamy	01.04.2011	31.03.2012

13.	Dean, Forest College and Research Institute, Mettupalayam - 641 301.	Thiru. P. Durairasu	01.04.2011	31.03.2012
14.	Director of Research, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. M. Paramathama	01.04.2011	24.01.2012
15.	Director of Research i/c Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. A.Chandrasekaran	25.01.2012	31.03.2012
16.	Director, Crop Management Studies, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. S. Jeyaraman	01.04.2011	31.03.2012
17.	Director, Centre for Plant Breeding and Genetics, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. K. Thiyagarajan	01.04.2011	31.03.2012
18.	Director, Centre for Plant Protection Studies, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. E.I. Jonathan	01.04.2011	31.03.2012
19.	Director, Centre for Plant Molecular Biology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. R. Samiyappan	01.04.2011	31.03.2012
20.	Director, Centre for Agricultural and Rural Development Studies, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. N. Ajjan	01.04.2011	31.03.2012
21.	Director, Water Technology Centre, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. S. Chellamuthu	01.04.2011	31.03.2012
22.	Director, Agri Business Development, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. P. Sivasubramanian	01.04.2011	31.03.2012

23.	Director of Extension Education, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. P. Kalaiselvan	01.04.2011	31.03.2012
24.	Director of Students Welfare, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. T. Rathakrishnan	01.04.2011	31.03.2012
25.	Director, Open and Distance Learning, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr.V.Valluvaparidasan	01.04.2011	31.03.2012
26.	Director, Planning and Monitoring, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr. G. Kathiresan	01.04.2011	31.03.2012
27.	Director, Tamil Nadu Rice Research Institute, Aduthurai – 612 101.	Dr. T. Jeyaraj	01.04.2011	31.03.2012
28.	Controller of Examinations, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Dr.A.Chandrasekaran	01.04.2011	31.03.2012
29.	Comptroller, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Thiru. P. Chandran	01.04.2011	31.03.2012
30.	Estate Officer, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Er. D. Kalaiselvan	01.04.2011	31.03.2012

BOARD OF MANAGEMENT, T.N.A.U.

List of Board Members during the year 2011 - 2012

	Chairman :	
1.	Dr. P. Murugesha Boopathi , Ph.D., Vice Chancellor, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011 to 31.03.2012
	Members :	
2.	Dr. K. Arulmozhi , I.A.S., Agricultural Production Commissioner and Principal Secretary to Government, Agriculture Department, Secretariat, Chennai - 600 009.	02.07.2011 to 21.11.2011
3.	Thiru. Sandeep Saxena , I.A.S., Agricultural Production Commissioner and Secretary to Government, Agriculture Department, Secretariat, Chennai - 600 009.	22.11.2011 to 31.3.2012
4.	Thiru. Ravi Narayanan Joint Secretary, Finance Department, Secretariat, Chennai - 600 009.	02.07.2011 to 19.08.2011
5.	Thiru. S. Krishnan , I.A.S., Secretary (Expenditure), Finance Department, Secretariat, Chennai - 600 009.	20.8.2011 to 21.11.2011
6.	Dr. P. Senthil Kumar , I.A.S., Special Secretary (Expenditure), Finance Department, Secretariat, Chennai - 600 009.	22.11.2011 to 31.03.2012
7.	Thiru. Sandeep Saxena , I.A.S., Commissioner of Agriculture, Chepauk, Chennai - 600 005.	02.07.2011 to 21.11.2011
8.	Dr. K. Manivasan , I.A.S., Commissioner of Agriculture, Chepauk, Chennai - 600 005.	22.11.2011 to 31.03.2012
9.	Dr. B. Chandra Mohan , I.A.S., Commissioner of Horticulture and Plantation Crops, Agriculture Complex, Chepauk, Chennai - 600 005.	02.07.2011 to 19.08.2011

10.	Thiru. K. Sellamuthu , I.A.S., Commissioner of Horticulture and Plantation Crops, Agriculture Complex, Chepauk, Chennai - 600 005.	20.08.2011 to 21.11.2011
11.	Tmt. R. Vasuki , I.A.S., Commissioner of Horticulture and Plantation Crops i/c, Agriculture Complex, Chepauk, Chennai - 600 005.	22.11.2011 to 31.03.2012
12.	Thiru. R. Subramanian , B.Sc (Ag.), Chief Engineer (Agrl. Engg.), Agricultural Engineering Department, 487, Anna Salai, Nandanam, Chennai - 600 035.	02.07.2011 to 21.11.2011
13.	Thiru. M. Senthil , M.E. (Agri.) Chief Engineer (Agrl. Engg.) i/c, Agricultural Engineering Department, 487, Anna Salai, Nandanam, Chennai - 600 035.	22.11.2011 to 31.03.2012
14.	Thiru. A.S. Balanathan , I.F.S., Principal Chief Conservator of Forests, No.1, Jeenis Road, Saidapet, Chennai - 600 015.	02.07.2011 to 19.08.2011
15.	Thiru. Gautam Dey , I.F.S., Principal Chief Conservator of Forests, Tamil Nadu Forest Department, No.1, Jeenis Road, Panagal Building, Saidapet, Chennai - 600 015.	20.08.2011 to 31.03.2012
16.	Dr. G.V. Thomas , Director, Central Plantation Crops Research Institute, Kasaragod, Kerala - 671 124.	01.04.2011 to 31.03.2012
17.	Dr. P.P. Ramaswami , Ph.D., 3/66, 'S' Block, 19 th Street, Anna Nagar, Chennai - 600 040.	01.04.2011 to 31.03.2012
18.	Thiru. O.V.R. Somasundaram , Odayakulam (PO), Pollachi (TK), Coimbatore district - 642 129.	01.04.2011 to 13.02.2012
19.	Thiru. K. Pari , 18 - B, Luz Avenue, Mylapore, Chennai - 600 004.	14.02.2011 to 31.03.2012

20.	Thiru. P. Gopal , Ex - M.L.A., 5/151, F - 4, Dr. Subbrayan Nagar, Mettur Dam - 636 401, Salem District.	01.04.2011 to 31.03.2012
21.	Thiru. Kumar J. Pandian , M.B.A., Managing Director, Pandyan Coffee Curing Works (P) Ltd., 14, Main Road, K.K.Nagar, Madurai - 625 020.	01.04.2011 to 31.03.2012
22.	Tmt. Geetha @ Kodiarasi W/o. G. Balathandayuthapani D Block 55, Thozhilalar Illapaguthi Mettur - 636 401 Salem District	01.04.2011 to 31.03.2012
23.	Thiru. Pon Muthuramalingam , M.A., B.L., No.13, Thomas Street, Narimedu, Madurai - 625 002	01.04.2011 to 31.03.2012
24.	Thiru. M.K. Muthukaruppanasamy , M.L.A., (Pollachi Constituency), Mettupaavi Post, Vadasithur Via, Pollachi Taluk – 641 202 Coimbatore District.	01.08.2011 to 31.03.2012
25.	Thiru. P. S. Anbu , B.Sc., M.B.A., 9/69, Jawahar Main Road, Punjai Puliampatti - 638 459. Erode District.	01.04.2011 to 03.07.2011
26.	Thiru. K.R. Arjunan , Old No.8/182, New No.9/132, Ketti Village, Ketti (P.O), The Nilgiris - 643 215.	19.07.2011 to 31.03.2012
27.	Dr. K.P. Ramalingam , B.V.Sc., "Uzhavar Illam", Rasipuram - 637 408, Namakkal district.	01.04.2011 to 31.03.2012
28.	Member - Secretary :	
	Dr. P. Subbian , Ph.D., Registrar, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011 to 31.03.2012

Meetings of the Board of Management held during the year 2011-12

158th Meeting held on 02.07.2011

159th Meeting held on 20.08.2011

160th Meeting held on 22.11.2011

Important decisions of the Board of Management

158th Meeting held on 02.07.2011

- The Board approved the proposal of conducting the XXXII Annual Convocation of the University during the month of July / August of the year 2011.
- The Board considered and approved the proposal for starting of Diploma course in Agriculture at Soil & Water Management Research Institute, Thanjavur on self-supporting basis.
- The Board approved the guidelines for giving approval to New Institutions imparting Education in Agriculture in Tamil Nadu.
- The Board approved and ratified the action of the University in having granted affiliation to Indian Institute of Crop Processing Technology, Thanjavur under the control of Ministry of Food Processing Industries, Government of India for offering B.Tech (FPE), M.Tech (Food Process Engineering) and Ph.D. in Food Process Engineering degree programmes from the academic year 2011-12.
- The Board considered, approved and ratified the continuance of 105 University Plan schemes and 9 (Nine) Temporary Non-Plan schemes during the year 2011-2012 (from 1-4-2011 to 31-3-2012)
- Board approved the proposals for
 - Renaming of Centre for Plant Molecular Biology as Centre for Plant Molecular Biology and Biotechnology and
 - Bifurcation of existing Department of Plant Molecular Biology and Biotechnology into two separate Departments viz. Department of Plant Biotechnology and Department of Plant Molecular Biology and Bioinformatics
- The Board approved the proposal to change the nomenclature of Urban Horticulture Development Centre (UHDC), Chennai as TNAU Information and Training Centre, Chennai.
- The Board approved the proposal of transferring 25 cents of land of the Oilseeds Research Station, Tindivanam to the Assistant Director of Agriculture, Marakkanam for the construction of Extension Centre and future expansion.

159th Meeting held on 20.08.2011

- The Board considered, approved and recommended to send proposal to the Government for starting a new Agricultural College in the name of Aravindar Agricultural Institute of Technology at Thenpallipattu Village, Polur Taluk, Thiruvannamalai District for offering B.Sc. (Agri.) degree and Diploma courses in Agriculture and Horticulture by Thiruvalluvar Educational Trust, Thiruvannamalai District.
- The Board noted for information on the approval of His Excellency the Governor of Tamil Nadu and Chancellor of TNAU for conducting XXXII Annual convocation of the TNAU on 22.09.2011 (Thursday) at 11.00 A.M. and also approved and recommended to send a revised proposal for conferring the Doctor of Science (*Honoris causa*) in the ensuing Convocation to the following eminent persons in order of priority:
 1. **Shri. N. Raghuvveera Reddy**,
Hon'ble Minister for Revenue, Relief,
Rehabilitation, Urban Land Ceiling,
Government of Andhra Pradesh,
Andhra Pradesh.
 2. **Shri. R.V. Thiyagarajan**,
Chairman and Managing Director,
Thiru Arooran Sugars Limited,
Chennai - 600 034.

160th Meeting held on 22.11.2011

- Approved the conferment of degrees for 962 candidates at the 32nd Annual Convocation i.e. 678 Graduates in person and 284 Graduates *in absentia* as per the 'Register of Graduates for conferring the respective Degrees on them.
- The Board approved the following proposed mode of payment towards the purchase of foreign equipments.

	Limit for payment to foreign firms		Existing mode of payment	Proposed mode of payment
1.	For foreign Demand Draft	:	above Rs. 50,000 to 2 lakhs	upto Rs. 4 lakhs
2.	Letter of credit	:	above Rs. 2 lakhs	above Rs. 4 lakhs

- The Board considered and approved the proposal for exempting from the payment of EMD and cost of tender schedules by Tenderers to the University for procurement of stores (goods, equipments, etc.) by the University for estimate costing upto Rs.50,000/- and Rs.1.00 lakh respectively as detailed in the next page.

- **EMD**

- Exemption for payment of EMD upto the value of Rs.50,000/-
- One per cent of the Estimated cost rounded to nearest hundred rupees for the value above Rs.50,000/-.

- Cost of sale of tenders.

Purchase value	Cost of tender schedules
a) Upto Rs.1.00 lakhs	Nil
b) above Rs.1.00 to 2.00 lakhs	Rs. 300 + 5% VAT
c) above Rs.2.00 to 5.00 lakhs	Rs. 750 + 5% VAT
d) above Rs.5.00 to 10.00 lakhs	Rs. 1,500 + 5% VAT
e) above Rs.10 lakhs	Nil

- The Board recommended to send proposal to the Government regarding transferring 25 acres of land to establish a National Law School and 19.13 acres of land towards commencement of Bharathidasan University affiliated Arts & Science College at Navalur kuttapattu at ADAC & RI, Trichy.
- The Board approved and sanctioned the following civil works with the estimated cost indicated against each, under the funds provided in the Agri Business Consortium Fund and permitted to call for tenders by giving wide publicity in News papers and finalize as per the Tamil Nadu Tender Transparency Act and procedures.

Sl. No.	Name of work	Source of Funding	Cost Estimate (Rs. in lakhs)
1.	Construction of Auditorium at AC&RI, Killikulam	Agri Business Consortium [ABC], (Office of the Dean (Agri.))	150
2.	Construction of Ladies Hostel at TNAU, Coimbatore campus		157
3.	Construction of Sericulture Building at TNAU, Coimbatore		60
Total :			367
(Rupees Three crores and sixty seven lakhs only)			

- The Board approved the proposal of re-designation of the Technical Categories (Trade posts) of Tamil Nadu Agricultural University without any financial commitment.
- The Board recommended sending proposal to Government for establishment of new Agricultural Research Station in Thiruvannamalai District.

MEMBERS OF THE ACADEMIC COUNCIL

Sl. No.	Name and Designation	Period	
		From	To
Ex-officio Chairman			
	Dr. P. Murugesu Boopathi, Vice - Chancellor, Tamil Nadu Agricultural University, Coimbatore – 641 003.	01.04.2011	31.03.2012
Ex-officio Secretary			
	Dr. P. Subbian, Registrar, Tamil Nadu Agricultural University, Coimbatore – 641 003.	01.04.2011	31.03.2012
MEMBERS			
1.	Dr. K. Arulmozhi, I.A.S., Agricultural Production Commissioner and Principal Secretary to Government, Agriculture Department, Secretariat, Chennai – 600 009.	01.04.2011	02.11.2011
2.	Thiru. Sandeep Saxena, I.A.S., Agricultural Production Commissioner & Secretary to Government, Agriculture Department, Secretariat. Chennai – 600 009.	03.11.2011	31.03.2012
3.	Dr. H.V. Nanjappa, Dean of Post Graduate Studies, University of Agricultural Sciences, Bengaluru - 560 065.	01.04.2011	31.03.2012
4.	Dr. T.R. Gopalakrishnan, Director of Research, Kerala Agricultural University, Vellanikara, Thrissur - 680 656.	01.04.2011	31.03.2012
5.	Dr. L. Jeevajothe, Professor and Head, Department of Spices and Plantation Crops, Horticultural College and Research Institute, Periyakulam - 625 604.	01.04.2011	31.03.2012

6.	Dr. S. Amutha, Professor and Head, Department of Human Development, Home Science College and Research Institute, Madurai - 625 104.	01.04.2011	31.03.2012
7.	Dr. D. Manohar Jesudas, Professor and Head, Agricultural Machinery Research Centre, Tamil Nadu Agricultural University, Coimbatore – 641 003.	01.04.2011	31.03.2012
8.	Dr. A. Velayutham, Professor and Head, Department of Farm Management, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011	31.03.2012
9.	Dr. A.R. Mohamed Haroon, Professor and Head, Department of Soils and Environment, Agricultural College and Research Institute, Madurai – 625 104.	01.04.2011	31.03.2012
10.	Dr. K.T. Parthiban, Associate Professor and Head, Department of Tree Breeding, Forest College and Research Institute, Mettupalayam – 641 301.	01.04.2011	31.03.2012
11.	Dr. A. Raja Rajan, Dean, Agricultural College and Research Institute, Tamil Nadu Agricultural University, Coimbatore – 641 003.	01.04.2011	31.03.2012
12.	Dr. C. Udayasooriyan, Dean (SPGS), Tamil Nadu Agricultural University, Coimbatore – 641 003.	01.04.2011	31.03.2012
13.	Dr. N. Kumar, Dean, Horticultural College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011	31.03.2012
14.	Dr. S. Santhana Bosu, Dean, Agricultural Engineering College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011	31.03.2012

15.	Dr.K.Vairavan, Dean, Agricultural College and Research Institute, Madurai – 625 104.	01.04.2011	31.03.2012
16.	Dr. R. Ganesan, Dean, Agricultural College and Research Institute, Killikulam, Vallanadu Post – 628 252, Thoothukkudi District.	01.04.2011	31.03.2012
17.	Dr. V. Jayabal, Dean, Anbil Dharmalingam Agrl. College and Research Institute, Navalur Kuttapattu, Tiruchirapalli – 620 009.	01.04.2011	31.03.2012
18.	Dr. V.Ponnuswami, Dean , Horticultural College and Research Institute, Periyakulam – 625 604.	01.04.2011	31.03.2012
19.	Dr. A. Tajuddin, Dean, Agricultural Engineering College and Res. Institute, Kumulur – 621 712, Via. Poovalur, Lalgudi Taluk, Triuchirappalli District.	01.04.2011	31.03.2012
20.	Thiru. P. Durairasu, I.F.S., Dean, Forest College and Research Institute, Mettupalayam – 641 301.	01.04.2011	31.03.2012
21.	Dr. P. Banumathi, Dean, Home Science College and Research Institute, AC&RI Campus, Madurai - 625 104.	01.04.2011	31.03.2012
22.	Dr. A. Baskar, Dean, i/c, Pandit Jawaharlal Nehru College of Agriculture and Research Institute, Nedungadu (Post), Karaikal – 609 603.	01.04.2011	22.08.2011

23.	Dr. V. Chellamuthu, Dean, Pandit Jawaharlal Nehru College of Agriculture and Research Institute, Nedungadu (Post), Karaikal – 609 603.	23.08.2011	31.03.2012
24.	Dr. S. Ramasamy, Dean, Adhiparasakthi Agricultural College, G.B. Nagar, Kalavai – 632 506, Vellore District.	01.04.2011	31.03.2012
25.	Dr. A. Chandrasekaran, Controller of Examinations, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011	31.03.2012
26.	Dr. M. Paramathma, Director of Research, Tamil Nadu Agricultural University, Coimbatore – 641 003.	01.04.2011	24.01.2012
27.	Dr. A. Chandrasekaran, Director of Research (i/c), Tamil Nadu Agricultural University, Coimbatore - 641 003	25.01.2012	31.03.2012
28.	Dr. R.Samiyappan, Director, Centre for Plant Molecular Biology and Bio-technology, Coimbatore - 641 003.	01.04.2011	31.03.2012
29.	Dr. N. Ajjan, Director (CARDS), Tamil Nadu Agricultural University, Coimbatore – 641 003.	01.04.2011	31.03.2012
30.	Dr. P. Kalaiselvan, Director of Extension Education, Tamil Nadu Agricultural University, Coimbatore – 641 003	01.04.2011	31.03.2012
31.	Dr. E. I. Jonathan, Director, Centre for Plant Protection Studies, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011	31.03.2012

32.	Dr. S. Chellamuthu, Director, Water Technology Centre, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011	31.03.2012
33.	Dr. S. Jeyaraman, Director, Crop Management, Tamil Nadu Agricultural University, Coimbatore – 641 003.	01.04.2011	31.03.2012
34.	Dr. K. Thiyagarajan, Director, Centre for Plant Breeding and Genetics, Tamil Nadu Agricultural University, Coimbatore – 641 003.	01.04.2011	31.03.2012
35.	Dr. V. Valluvaparidasan, Director, Open and Distance Learning, Tamil Nadu Agricultural University, Coimbatore – 641 003.	01.04.2011	31.03.2012
36.	Dr. T. Rathakrishnan, Director, Students Welfare, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011	31.03.2012
37.	Dr. G. Kathiresan, Director, Planning and Monitoring, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011	31.03.2012
38.	Dr. P. Sivasubramanian, Director, Agricultural Business Development, Tamil Nadu Agricultural University, Coimbatore - 641 003	01.04.2011	31.03.2012
39.	Dr. T. Jayaraj, Director, Tamil Nadu Rice Research Institute, Aduthurai – 612 101, Thanjavur District.	01.04.2011	31.03.2012

40.	Dr. T.N. Balamohan, Special Officer, Horticultural College and Research Institute for Women, Navalur Kuttapattu, Tiruchirappalli- 620 009.	01.07.2011	31.03.2012
41.	Dr. V. Velu, Special Officer, Natural Resource Management, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011	31.03.2012
42.	Dr. K. Ramamoorthy, Special Officer (Seeds), Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2011	20.11.2011
43.	Dr. M. Bhaskaran, Special Officer (Seeds), Tamil Nadu Agricultural University, Coimbatore - 641 003.	21.11.2011	31.03.2012

MEETINGS OF THE ACADEMIC COUNCIL HELD DURING 2011-2012

The Academic Council met thrice during the academic year 2011 - 12 and the following important decisions were taken.

112th Academic Council Meeting (18.04.2011)

APPROVED

- Collection of Additional affiliation fee for sanction of additional seats from Affiliated / Diploma Institutes.
- Rules for Under Graduate Dual degree programme.
- Norms for starting B.Tech. (Food Process Engineering) Degree course.
- Conducting Re-appearance examination to Diploma and ODL failed students once in six months during the semester break.
- New syllabus - 2011 - 12 for Under Graduate Programmes
- Recommended to the Board of Management, the draft Guidelines for giving approval to new Institutions for imparting education in Agriculture and also to fix Rs.5.00 lakhs as affiliation fee for offering each Master degree programme with admission strength of 10 students.

113th Academic Council Meeting (20.08.2011)

APPROVED

- Norms for admitting ICAR candidates for Post Graduate programmes under Common eligibility criteria of ICAR.
- Admission of Agriculture / Horticulture Scientists of Tamil Nadu Veterinary and Animal Sciences University in Ph.D. programmes of TNAU on part time basis.

114th Academic Council Meeting (22.11.2011)

APPROVED

- Relaxation of minimum eligibility marks and age for the students admitted under ICAR quota from the academic year 2011 - 12.
- To fix the maximum research credits registered by Ph.D students as 12 credits per semester.
- Amendments in the Diploma Rules and Regulations.

32nd CONVOCATION 2011

Thirty Second Convocation of the Tamil Nadu Agricultural University was held on 23rd November 2011 at 4.30 p.m.in a grand manner. His Excellency, Dr. K. Rosaiah the Governor of Tamil Nadu and Chancellor of TNAU presided over the convocation and awarded 47 prizes and medals to the outstanding under graduate, postgraduate and Ph.D. scholars. In this convocation totally 962 students (in person 678 and in absentia 284 students) have been awarded various degrees. Hon'ble Minister for Agriculture, Government of Tamil Nadu and Pro-Chancellor, Thiru. S. Damodaran announced the Endowment Prizes and Medals Dr. K. Kasturirangan, Member, Planning Commission, Government of India, New Delhi was the Chief Guest of the occasion and delivered the convocation address.

Dr. P. Murugesu Boopathi, Vice - Chancellor delivered the welcome address. During the convocation, the degrees of Doctor of Science (*Honoris Causa*) were conferred upon to Thiru N. Raghuvveera Reddy, Hon'ble Minister for Revenue, Relief, Rehabilitation, Urban Land Ceiling, Government of Andhra Pradesh and Thiru. R.V. Thiyagarajan, Chairman and Managing Director, Thiru Arooran Sugars Limited, Chennai.

Endowments Instituted

Convocation Award during 2011 (XXXII Convocation)

1. **Vice-Chancellor Dr. P. Murugesu Boopathi Award**
 - i. For the best Ph.D thesis in Soil Science and Agricultural Chemistry on Soil Fertility.
 - ii. For the best M.Sc. (Ag.) student in Soil Science and Agricultural Chemistry.
2. **Cumbum M. Syed Mohammed Award**

For the Best Student in Master Degree Programme of the University.
3. **Dr.Chinthalpani Ravinder Reddy Award**

For M.Sc. (Ag.) Plant Pathology student who secures highest OGPA.
4. **Cumbum M.S. Roja Begum Award**

For the Best B.Sc. (Agri) student of AC&RI, Madurai Campus.
5. **Salem Shri K.S. Dass Award**

For the Best Ph.D. thesis in Rice Physiology.

Tour programme of the Vice-Chancellor for the period 01.04.2011 to 31.03.2012

- Participated in the ICAR - IRRI Dialogue meeting at ICAR, New Delhi on 04.04.2011 and discussion held with Dr. Ladha, Representative of IRRI-India Office, New Delhi.
- Discussion with the Principal Secretary to Government, Finance Department, Secretariat, Chennai on 06.04.2011.
- Held discussion with the Hon'ble Minister for Agriculture and Agricultural Production Commissioner and Secretary to Government, Agriculture Department, Secretariat, Chennai on 27.04.2011 and 28.04.2011.
- Participated in the Valedictory function of II Group Meeting of All India Network Research Project on Onion and Garlic. Reviewed research activities at Horticultural Research Station, Ooty on 30.04.2011.
- Presided the I year I Semester B.F. Tech Examination for farmers at KVK, Sandhiyur on 08.05.2011.
- Held discussion with the Agricultural Production Commissioner and Principal Secretary, Agriculture Dept. at Secretariat, Chennai on 09.05.2011.
- Participated in the ICAR-CII, Industry meet 2011 at ICAR, New Delhi from 23 - 25th May, 2011.
- Presided the Valedictory function of NSS Programme at Somaiyampalayam on 31.5.2011.
- Held discussion with the Agricultural Production Commissioner and Principal Secretary, Agriculture Department, Secretariat, Chennai on 11.06.11 and 13.06.2011 in connection with the review on Agriculture by the Hon'ble Chief Minister of Tamil Nadu.

- Held discussion with the Hon'ble Minister for Agriculture, Govt. of Tamil Nadu at ADAC&RI, Trichy on 16.06.2011 regarding the location for establishment of new Horticultural College for Women.
- Participated in the Hon'ble Chief Minister's review at Secretariat, Chennai on 18.06.2011.
- Presided the inaugural function of கிருஷ்ணகிரி மாவட்ட உழவர் சம்மேளன துவக்க விழா, இ-வேளாண்மை அறிமுகம், நேரடி நெல் விதைப்பு மற்றும் திருந்திய கரும்பு சாகுபடி தொழில்நுட்ப பயிற்சி விழா jointly organized by NABARD, IAMWARM and TNAU at Regional Research Station, Paiyur on 25.06.2011.
- Participated in the NADP, SLSC meeting and discussion cum meeting with Parliamentary Committee on Agriculture at Secretariat, Chennai on 01.07.2011.
- Conducted the 158th meeting of the Board of Management of TNAU at Chennai on 02.07.2011.
- Participated in the 83rd Foundation Day of ICAR and received "Sardar Patel Outstanding ICAR Institution Award for the year 2010" at ICAR, New Delhi on 16.07.2011.
- Reviewed the research activities at Regional Research Station and Krishi Vigyan Kendra, Tirur on 04.08.2011
- Participated as Chairman in the selection committee meeting on 6.8.2011 at PAJANCOA&RI, Karaikkal for the selection of the post of Dean, PAJANCOA&RI, Karaikkal.
- Visited International Rice Research Institute, Phillipines for discussion about the IRRI - TNAU collaborative research under Hybrid Rice Development Consortium, CSISA Project, STRASA Project, IRRI - GCP - Projects with the members of the IRRI Senior Management and scientists from 09.08.2011 to 11.08.2011 invited by Dr. Robert Zeigler, Director General, IRRI, Phillipines.
- Participated in the Tamil Nadu Assembly Session on Agriculture at Secretariat, Chennai on 16.8.2011.
- Visited the Cotton and Maize Farmers' field at Vadakkipalayam on 21.08.2011.
- Reviewed the research activities at Soil and Water Management Research Institute, Thanjavur and KVK, Needamangalam on 26.08.2011.
- Participated in the Symposium on Zinc in Crops, organized by Fertilizer Association India at Chennai on 30.08.2011 and delivered the Keynote Address.
- Reviewed the research activities at National Pulses Research Centre and Krishi Vigyan Kendra, Vamban on 02.09.2011.
- Participated in the 111th South Indian Chamber of Commerce and Industry (SICCI) Agri Summit and opened the Exhibition at Trichirappalli on 09.09.2011.

- Received the Agriculture Leadership Award 2011, given to TNAU in the award function held at New Delhi on 14.9.2011.
- Participated in the Second meeting of the Vice-Chancellors' Conference held at NASC Complex, ICAR, New Delhi on 26-27 September, 2011.
- Reviewed the research activities at Horticultural Research Station, Thadiyankudisai on 01.10.2011.
- Presided the Valedictory function of Group Workers' Meet on AICRP on Sub Tropical Fruits, on 01.10.2011 at Horticultural College & Research Institute, Periyakulam.
- Reviewed the research activities at Horticultural Research Station, Kodaikanal on 02.10.2011.
- Participated in the first meeting of Steering Committee on Environment and Climate Change for Twelfth Five Year Plan 2012 - 2017 at State Planning Commission, Chennai, on 04.10.2011.
- Participated in the Steering Committee Meeting on Agriculture at State Planning Commission, Chennai on 12.10.2011.
- Participated as Expert Member in the Selection Committee for the selection of the post of Director (Students Welfare) at Orissa University of Agriculture and Technology, Bhubaneswar on 29.10.2011.
- Participated in the State Planning Commission Meeting at Chennai on 04.11.2011 and 5th Samai Field Day at Jawadu Hills, Thiruvannamalai District on 05.11.2011
- Participated in the International Conference on Innovative Approaches for Agricultural Knowledge Management to be held at National Agricultural Science Centre, New Delhi from 9 - 11 November, 2011.
- Participated Foundation Day function of Plant Protection Varieties and Farmers Rights Authority held at New Delhi on 11.11.2011 and received the Best DUS Test Centre (SAU Category) Award given to TNAU.
- Presided the inaugural function of NADP Rice Farmers' Training at Sugarcane Research Station, Sirugamani on 16.11.2011.
- Reviewed the research activities at SWMRI, Thanjavur, KVK, Sikkal and Needamangalam, on 16.11.2011 and 17.11.2011.
- Participated in the ICAR - State Level KVK Interface Meeting in Tamil Nadu, on 18.11.2011 at Thanjavur
- Presided the DST sponsored Science Camp on Innovation in Science: Pursuit for Inspired Research at Agricultural College and Research Institute, Madurai on 01.12.2011.
- Participated in the State Variety Release Committee meeting at Agriculture Department, Secretariat, Chennai on 07.12.2011.

- Participated in the State Planning Commission Meeting at Chennai, on 10.01.2012 as a Member of 12th Five Year Plan Committee.
- Reviewed the research activities and interaction with the scientists at Research Stations and KVKs at Vridhachalam, Palur and Cuddalore, on 12.01.2012 and 13.01.2012.
- Presided the Valedictory function of Training on IPM - CRSP through Farm School, AIR, Trichirappalli, on 28.01.2012, released the IPM Book and distributed certificates to the trainees.
- Presided the Farm Mechanization Mela at AEC&RI, Kumulur, on 29.01.2012.
- Presided the inaugural function of the Inter Collegiate Tournament at Adhiparasakthi Agricultural College, Kalavai on 31.01.2012.
- Participated in the Third Meeting of Steering Committee on Agricultural and Allied Sectors including Irrigation for the formulation of Twelfth Five Year Plan at Chennai on 06.02.2012.
- Participated in the Industry Partnership Meeting on 15.02.2012 at the Rashtrapathi Bhavan, New Delhi.
- Participated in the Vice-Chancellors' Conference at ICAR, New Delhi from 15th to 17th February, 2012.
- Participated in the Finance Committee Meeting at Secretariat, Chennai on 22.02.2012.
- Presided the inaugural function of Golden Jubilee Celebration of Horticultural Research Station, Kodaikanal and National Seminar on Aromatic Crops, on 23 - 24, February, 2012.
- Participated as Guest of Honour in the National Seminar on Technologies for Improving Productivity of Spice and Plantation Crops held on 27th February, 2012, at Central Agricultural Research Institute (ICAR), Port Blair. Had discussion held with the Hon'ble Member of Parliament of Andaman Nicobar Islands and the Secretary of Agriculture.
- Participated in the Research Advisory Committee Meeting at Central Tobacco Research Institute, Rajahmundry from 12 - 13, March, 2012 as a Member of the Committee.
- Chaired the SAC meeting at KVK, Papparappatti on 28.3.2012.
- Presided one day Training Programme on Latest Technologies for cultivation in Pepper crops on 29.03.2012 at Kolli Hills.

DETAILS OF FOREIGN TRAINING / CONFERENCE / MEETING / SYMPOSIUMS etc.,
ATTENDED BY THE SCIENTISTS w.e.f. JANUARY, 2011

Sl. No.	Name of the Scientist, Designation and Address	Purpose	Period and Place
1.	Dr. V. Ravichandran, Asst. Professor (Crop Physiology), Department of Rice, Tamil Nadu Agricultural University, Coimbatore - 641 003.	To take up Visiting Research Fellowship programme.	20.01.2011 - 31.05.2011 The Philippines
2.	Dr. K. K. Kumar, Asst. Professor (Biotechnology), Department of Plant Molecular Biology and Biotechnology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	To visit CSIRO Plant Industry, Australia to carryout part of the collaborative project work.	25.02.2011 - 28.05.2011 Australia
3.	Dr. M. Suganthy, Asst. Professor (Agrl. Entomology), Dept. of Medicinal and Aromatic Crops, Horticultural College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Undergo training under HRD program of NAIP in the area of Bio Security.	07.04.2011 - 06.07.2011 Georgia University, USA
4.	Dr. C. Udayasoorian, Dean (SPGS), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the 5th International Congress of Chemistry and Environment.	27.05.2011 - 04.06.2011 Malaysia
5.	Dr. D. Sudhakar, Professor (Biotech), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Participated in Regulatory Bio-safety Dossier Development and Capacity Building workshop.	28.03.2011 - 01.04.2011 Daca, Bangladesh
6.	Dr. N. Asokaraja, Professor (Agronomy) , Directorate of Research, Tamil Nadu Agricultural University, Coimbatore - 641 003.	8 th International Micro Irrigation congress - Travel Grant - ICAR- Development Grant.	15.10.2011 – 23.10.2011 Tehran, Iran
7.	Dr. R. Balasubramanian, Professor (Agrl. Economics), Department of Agrl. Economics, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the workshop on Policy Analysis for Environmental Economics.	22.05.2011 - 24.05.2011 Pathumthani, Thailand

8.	Dr. T. Chitdeshwari, Associate Professor (SS&AC), Department of SS&AC, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Paper presentation entitled Exploring the genotypic variation in green gram (<i>Vigna radiate sp.</i>) for seed Zn enrichment, in the International Conference on Rhizosphere.	25.09.2011 – 30.09.2011 Perth, Western Australia.
9.	Dr. S. Chellamuthu, Director, Water Technology Centre, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the conference of WTC-TN-IAMWARM Singapore International Water Week 2011.	04.07.2011 – 08.07.2011 Singapore
10.	Dr. B. J. Pandian, Professor (Agronomy), Water Technology Centre, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the conference of WTC-TN-IAMWARM Singapore International Water Week 2011.	04.07.2011 – 08.07.2011, Singapore
11.	Dr. A. K. Mani, Professor and Head, Regional Research Station, Paiyur – 635 112.	Attended the conference of WTC-TN-IAMWARM Singapore International Water Week 2011.	04.07.2011 – 08.07.2011 Singapore
12.	Dr. S. Vijayabaskar, Associate Professor (Agronomy), Regional Research Station, Paiyur – 635 112.	Attended the conference of WTC-TN-IAMWARM Singapore International Water Week 2011.	04.07.2011 – 08.07.2011 Singapore
13.	Dr. V. Valluvaparidasan, Director, Open and Distance Learning, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Training on Innovations in Technology Mediated Learning : An Institutional Capacity Building in using re- usable learning objects in Agro-Horticulture for the year 2011 - 2012.	(1) 10.10.2011 - 14.10.2011 Canada (2) 17.10.2011 - 21.10.2011 Iowa State University, U.S.A.
14.	Dr. S. Ganapathy, Assoc. Professor (Farm Machinery), Department of PHTC, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the training on Controlled environment storage of horticultural produce.	01.07.2011 – 01.09.2011 McGill University, Canada

15.	Dr. V. Geethalakshmi, Professor and Head, Dept. of ACRC, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Participated in the CLIMARICE Annual Review Meeting and Joint Workshop.	05.06.2011 - 15.06.2011 Bioforsk, Norway
16.	R. Jagannathan, Professor (Agronomy), Dept. of Agronomy, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the Asia Pacific Networks (APN) for Global Change, King Moncutt's organized by University of Technology, and Conference on Role of e-infrastructure for Climate Change Research organized by International Centre for Theoretical Physics,	09.05.2011 – 13.05.2011 Bangkok and 16.05.2011 – 20.05.2011 Trieste, Italy
17.	Dr. Z. John Kennedy, Professor (Agrl. Microbiology), Dept. of PHTC, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the WP6 Microbiological Risk Assessment training and 3 rd Consortium Meeting.	25.06.2011 - 08.07.2011 Oslo, Norway.
18.	Dr. E.I. Jonathan, Director (CPPS), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Management of papaya mealy bug through biological control for the XVI International Plant Protection Congress.	06.08.2011 – 10.08.2011 Honolulu, Hawaii
19.	Dr. C. Karthikeyan, Associate Professor (ARM), Department of Agricultural Rural Management, CARDS, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the 15 th International Water Technology Conference (IWTC)	28.05.2011 - 30.05.2011 Alexandria, Egypt
20.	Dr. A. Lakshmanan, Assoc. Professor (Env.Sci.), Dept. of NST, Tamil Nadu Agricultural University, Coimbatore - 641 003.	CLIMARICE Annual Project Review Meeting and Joint Workshop	05.06.2011 - 15.06.2011 Bioforsk, Norway
21.	Dr. M. Paramathma, Director of Research, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Visited Research and Development collaboration with CIMMYT Mexico and Brazilian Sugarcane Industry association (UNICA), Monsanto Production Y Servicios visit	25.04.2011 - 10.05.2011 Brazil

22.	Dr. M. Prasanthrajan, Assistant Professor, Dept. of Environmental Sciences, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the International Conference on Food Engineering and Biotechnology - ICFEB 2011 and to present research paper on Addressing the challenges of sugarcane trash decomposition through effective microbes in the International Conference on Food Engineering and Biotechnology - ICFEB 2011.	28.05.2011 - 29.05.2011 Bangkok
23.	Dr. R. Radhajeyalakshmi, Assistant Professor (Plant Pathology), Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Presented the research abstracts entitled Arabidopsis-a model plant for studying the mechanism of invasion of a vascular wilt pathogen of banana <i>Fusarium oxysporium f.sp. cubense</i> (Panama disease) in the Plant Biology Meeting, 2011 at Minneapolis.	06.08.2011 – 11.08.2011 Minneasota, USA
24.	Dr. S. Raguraman, Professor (Entomology), Department of Agrl. Entomology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Presented the paper on How to integrate neem based insecticides with parasitoids for pest management before the ensuing Second International Entomophagous insects Conference at Sophia Antipolis.	20.06.2011 – 23.06.2011 French Riviera, France
25.	Dr. K. Ramamoorthy, Special Officer (Seeds), Seed Centre, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the World Conference on Marine Biotechnology (WCMB 2011) as a speaker and to join technical tour to Beijing.	25.04.2011 – 01.05.2011 Dalina, China

26.	Dr. C.R. Ranganathan, Professor (Mathematics), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Participated in the CLIMARICE Annual Review Meeting and Joint Workshop	05.06.2011 - 15.06.2011 Bioforsk, Norway
27.	Dr. P. Sivasubramanian, Director (ABD), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the 4 th Global Forum on Innovation and Technology Entrepreneurship	30.05.2011 - 03.06.2011 Helsinki
28.	Dr. S.D. Sivakumar, Technical and Personal Officer to Vice-Chancellor & Co-PI, NAIP- BPD Scheme, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the 4 th Global Forum on Innovation and Technology Entrepreneurship	30.05.2011 - 03.06.2011 Helsinki
29.	Dr. D. Sudhakar, Professor (Biotech), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the workshop on Regulatory Biosafety Dossier Development and Capacity Building	28.03.2011 – 01.04.2011 Dhaka, Bangladesh
30.	Dr. D. Sudhakar, Professor (Biotech), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the programme on Food and Agri-business Management Programme at Ithaca, organized by Agricultural Biotechnology Support Programme (ABSP) II and Sathguru Management Consultants, Hyderabad	20.06.2011 – 24.06.2011 New York, USA 06.07.2011 - 14.07.2011 New York, USA
31.	Dr. M. Suganthy, Assistant Professor (Agrl. Entomology), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Training under HRD program of NAIP in the area of Plant Bio- security	02.05.2011 to 31.07.2011 University of Georgia, USA
32.	Dr. D. Suresh Kumar, Associate Professor (Agrl. Economics), Department of Agrl. Economics, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the workshop on Policy Analysis for Environmental Economics	22.05.2011 - 24.05.2011 Pathumthani

33.	Dr. S. Senthilnathan, Assistant Professor (Agrl.Economics), Department of Social Science, Agrl. College and Research Institute, Killikulam - 627 252.	Visiting Assistant Professor	01.08.2010 - 31.07.2011 University of Hawali, Manoa.
34.	Dr. K. Mahendran, Associate Professor (ARM), Department of ARM, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Joint research proposals	26.04.2011 - 05.06.2011 Oregon State University, USA.
35.	Dr. K. Kumaran, Assoc. Professor (Forestry), Forest College and Research Institute, Mettupalayam 641 301.	Life Actualization Programme	22.06.2011 - 01.07.2011 FGCF, Malaysia
36.	Dr. R. Samiyappan, Director (CPMB), Tamil Nadu Agricultural University, Coimbatore - 641 003.	APS-IIPC Joint Meeting	06.08.2011 - 10.08.2011 Honolulu, Hawaii, USA
37.	Dr. E. I. Jonathan, Director (CPPS), Tamil Nadu Agricultural University, Coimbatore - 641 003.	APS-IIPC Joint Meeting	06.08.2011 - 10.08.2011 Honolulu, Hawaii, USA
38.	Dr. S. Mohankumar, Professor (Biotech.), Dept. of PMB&BT, Tamil Nadu Agricultural University, Coimbatore - 641 003.	APS-IIPC Joint Meeting	06.08.2011 - 10.08.2011 Honolulu, Hawaii, USA
39.	Dr. G. Karthikeyan, Associate Professor (Plant Pathology), Dept. of Millets, Tamil Nadu Agricultural University, Coimbatore - 641 003.	APS-IIPC Joint Meeting	06.08.2011 - 10.08.2011 Honolulu, Hawaii, USA
40.	Dr. D. Malathi, Professor (H.Sc.), Post Harvest Tech. Centre, Agricultural Engineering College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Training Course	03.10.2011 - 09.10.2011 Colombo, Sri Lanka

41.	Dr. V. Saravanakumar, Assistant Prof. (Agrl.Econ.), Dept. of Trade and Intellectual Property, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Biannual research and training workshop	27.06.2011 - 30.06.2011 Colombo, Sri Lanka
42.	Dr. R. Balasubramanian, Professor (Agrl. Econ.), Dept. of Agrl. Economics, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Biannual research and training workshop	27.06.2011 - 30.06.2011 Colombo, Sri Lanka
43.	Dr. G. Thiribhuvanamala, Asst. Professor (Plant Path.), Dept. of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Conference on Mushroom Biology	04.10.2011 - 07.10.2011 Archachon, France
44.	Dr. K. N. Selvaraj, Professor and Head, Horticultural Research Station, Ooty - 643 001.	International Conference on Ancient Science.	20.08.2011 - 31.08.2011 New Jersey, USA
45.	Dr. R. M. Vijayakumar, Professor (Hort.), Department of Fruit Crops, Horticulture College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Symposium	29.11.2011 - 02.12.2011 Chian Mai, Thailand
46.	Dr. R. Chandra Babu, Professor (Biotech.), Dept. of PMB&BT, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Annual Research Project	12.09.2011 - 16.09.2011 IRRI, Philippines
47.	Dr. T. Chitdeshwari, Associate Professor (SS&AC), Department of SS&AC, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Conference on Rhizospere	25.09.2011 - 30.09.2011 Western Australia
48.	Dr. N. Kumar, Dean (Hort.), Horticulture College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Symposium	30.09.2011 - 27.10.2011 Kandy, Sri Lanka

49.	Dr. E. Somasundaram, Assoc. Professor (Agron.), Office of the Registrar, Tamil Nadu Agricultural University, Coimbatore - 641 003.	17 th IFOAM Organic World Congress.	28.09.2011 - 01.10.2011 Namyangju, Republic of Korea
50.	Dr. S. Suresh, Professor (Agrl. Entomology) , Department of Rice, Tamil Nadu Agricultural University, Coimbatore - 641 003.	XVII International Plant Protection Congress.	06.08.2011 - 10.8.2011 Honolulu, Hawaii, U.S.A.
51.	Dr. H. Gopal, Assoc. Professor (Agrl. Microbiology), Department of Food and Agrl. Process Engineering, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Training on Food safety quality assurance system and risk analysis.	18.8.2011 - 02.12.2011 Ghent University, Ghent, Belgium
52.	Dr. A. Nirmalakumari, Professor (PB&G), Department of Millets, Tamil Nadu Agricultural University, Coimbatore - 641 003.	First six monthly review and plan meeting of IDRC-Canada projects Training on On-farm conservation and sustainable use.	Meeting 17.08.2011 - 20.08.2011 and Training 22.08.2011 - 24.08.2011 Colombo, Sri Lanka
53.	Dr. S. Rajeswari, Associate Prof. (PB&G), Department of Rice, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Third international network for quality rice symposium	17.08.2011 to 19.08.2011 Bangkok, Thailand
54.	Dr. D. Malathi, Professor (H.Sc.), Post Harvest Tech. Centre, Agricultural Engineering College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	First half yearly review and plan meeting of IDRC-Canada project	17.08.2011 - 20.08.2011 Colombo, Sri Lanka
55.	Dr. R. Tamizh Vendan, Assoc. Professor (Ag. Micro.) ADAC&RI, Trichirappalli - 620 009.	Collaborative Research at the National University.	01.09.2011 - 30.09.2011 South Korea

56.	Dr. S. Manonmani, Associ. Professor (PB&G), Department of Rice, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Third international network for quality rice symposium	17.08.2011 - 19.08.2011 Bangkok, Thailand
57.	Dr. M. Kavino, Assistant Professor (Hort.), Agricultural Research Station, Pattukkottai 614 602.	International Symposium on tropical and subtropical fruits	19.12.2011 - 22.12.2011 Chiang Mai, Thailand
58.	Dr. C. Chinnusamy, Professor (Agronomy), Department of Agronomy, Tamil Nadu Agricultural University, Coimbatore - 641 003.	23 rd Asian Pacific Weed Science Society Conference	25.09.2011 - 30.09.2011 Queensland, Australia
59.	Dr. P. Sivasubramanian, Director (ABD), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Field Study for selecting the lands which are offered by Govt. of Guinea	03.09.2011 - 10.09.2011 Guinea, Africa
60.	Dr. R. Natesan, Deputy Registrar (Admn.), Office of the Registrar, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Field Study for selecting the lands which are offered by Govt. of Guinea	03.09.2011 - 10.09.2011 Guinea, Africa
61.	Thiru R. Bhubesh Kumar, Business Manager, BPD - TNAU, ABD, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Field Study for selecting the lands which are offered by Govt. of Guinea	03.09.2011 - 10.09.2011 Guinea, Africa
62.	Dr. S. Selvam, Assoc. Prof. (Agrl. Econ.), ADAC&RI, Tiruchirappalli - 620 009.	Workshop on fair trade for enhancing market access of agricultural products from developing countries (Asia)	05.09.2011 - 09.09.2011 Vientiane, Lao PDR
63.	Dr. P. Balasubramaniam, Assoc. Professor (SS&AC), AEC&RI, Kumulur, Tiruchirappalli - 621 712.	5 th International Conference on silicon in agriculture	13.09.2011 - 18.09.2011 Beijing, China
64.	Dr. M. Paramathma, Director of Research, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Project Management Team Meeting at University of York.	26.09.2011 - 28.09.2011 U.K.

65.	Dr. M. Chandrasekaran, Professor (Agrl. Economics), Directorate of Research, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Project Management Team Meeting at University of York.	26.09.2011 - 28.09.2011 U.K.
66.	Dr. R. Jude Sudhagar, Asst. Professor (Forestry), Centre of Excellence in Bio Fuels, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Project Management Team Meeting at University of York.	26.09.2011 - 28.09.2011 U.K.
67.	Dr. M. Jawaharlal, Professor and Head, Department of Floriculture and Landscaping, Horticulture College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Conference on Quality management in supply chain of ornamentals Visited N Park, Singapore to get collaborative programme for P.G.research during return journey	21.02.2012 - 24.02.2012 Bangkok, Thailand and 26.02.2012 - 27.02.2012 Singapore
68.	Dr. R. Chandra Babu, Professor (Biotech.), Department of PMB&BT, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Study the economic impact of various biotechnological tools like conventional breeding, marker assisted selection etc. at Rutgers.	26.09.2011 - 25.11.2011 University, U.S.A.
69.	Dr. N. Asokaraja, Professor (Agronomy), Dept. of Agronomy, Tamil Nadu Agricultural University, Coimbatore - 641 003.	8 th International Micro Irrigation Congress	15.10.2011 - 23.10.2011 Tehran, Iran
70.	Dr. R. Chandra Babu, Professor (Biotech.), Department of PMB&BI, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Undertook research on Translational genomic for drought resistance of cereal crops under Full bright Nehru Senior Fellows at the Department of Plant Breeding & Genetics, Cornell University	09.01.2012 - 08.09.2012 U.S.A.

71.	Dr. N. Natarajan, Professor (Seed Tech.), Department of Nano Science & Technology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Short term overseas training for SEM (Scanning Electron Microscope)	10.10.2011 - 14.10.2011 Shanghai, China
72.	Dr. K. Gunasekan, Professor (Agrl. Entomology), Department of Nano Science & Technology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Short term overseas training for SEM (Scanning Electron Microscope)	10.10.2011 - 14.10.2011 Shanghai, China
73.	Dr. R. Sivasamy, Professor and Head, Dept. of RS&GIS, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Short term overseas training for SEM (Scanning Electron Microscope)	10.10.2011 - 14.10.2011 Shanghai, China
74.	Dr. R. Ushakumari, Professor (PB&G), Department of PB&G Agricultural College and Research Institute, Madurai – 625 104.	International Science Forum,2011	17.10.2011 - 19.10.2011 Beijing, China
75.	Dr. V. Geethalakshmi, Professor and Head, Agro Climate Res. Centre, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Agricultural Model Intercomparison and Improvement Project (AgMIP)	13.10.2011 - 15.10.2011 San Antonio, Texas
76.	Dr. D. Suresh Kumar, Assoc. Professor (Ag. Econ.), Dept. of Agricultural Economics, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Workshop on Risk Management in Agriculture and Rural Finance at Yogyakarta,	24.10.2011 - 28.10.2011 Indonesia
77.	Dr. K. Mahendran, Assoc. Professor (A&RM), Department of A&RM, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Multi-country observational study on developing reliable, safe, green food supply chain at Tokyo.	07.11.2011 - 12.11.2011 Japan
78.	Dr. N. Asokaraja, Professor (Agronomy), Dept. of Agronomy, Tamil Nadu Agricultural University, Coimbatore - 641 003.	8 th International Micro Irrigation Congress	15.10.2011 - 23.10.2011 Tehran, Iran

79.	Dr. S. Chandrasekaran, Professor (Agrl. Entomology), Dept. of Agrl. Entomology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Shimadzu Global Technology Forum on Food Safety, 2001	09.11.2011 - 10.11.2011 Singapore
80.	Dr. S. Robin, Professor and Head, Department of Rice, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Global Rice Science Partnership (GRisp): Developing New generation climate adapted varieties workshop at IRRI.	28.11.2011 - 30.11.2011 The Philippines
81.	Dr. P. Subbian, Registrar, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Reviewed the Cornell University and TNAU partnership projects, interact with dual degree students and to chalk out the future course of action at Cornell University, Ithaca.	06.11.2011 - 13.11.2011 New York
82.	Dr. R. Samiyappan, Director (CPMB&B), Tamil Nadu Agricultural University, Coimbatore - 641 003.	To review the Cornell University and TNAU partnership projects, interact with dual degree students and to chalk out the future course of action at Ithaca.	06.11.2011 - 13.11.2011 New York
83.	Dr. A. Nirmalakumari, Professor (PB&G), Department of Millets, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the first year field visit, farmers' group meeting and diversity fair of RESMISA-IDRC scheme at Pokhara.	13.11.2011 - 18.11.2011 LI-BIRD, Nepal
84.	Dr. P. Santhy, Professor (SS&AC), Directorate of Open and Distance Learning, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Conference on Transforming Nations through Enculturation of lifelong learning	14.11.2011 - 15.11.2011 Kuala Lumpur
85.	Dr. G. Jothi, Assistant Professor (Nem.) ODL, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Conference on Transforming Nations through Enculturation of lifelong learning	14.11.2011 - 15.11.2011 Kuala Lumpur

86.	Dr. M. Maheswaran, Professor (Biotech.), Directorate of CPBG, Tamil Nadu Agricultural University, Coimbatore - 641 003.	A meeting to discuss on the status of BPH (Brown Plant Hopper) resistance in rice for Asia at IRRI.	23.11.2011 - 25.11.2011 The Philippines
87.	Dr. K. T. Parthiban, Assoc. Professor (Forestry), FC&RI, Mettupalayam.	International Workshop on <i>Jatropha curcas</i> State-of-the-Art at UNESCO Premises, Paris.	14.12.2011 - 15.12.2011 France
88.	Dr. D. Jawahar, Professor and Head, ARS, Kovilpatti.	Attended the first year field visit, farmers' group meeting and diversity fair of RESMISA-IDRC scheme	13.11.2011 - 18.11.2011 LI-BIRD, Nepal
89.	Dr. K. Prabakar, Professor (Plant Patho.), Seed Centre, Tamil Nadu Agricultural University, Coimbatore - 641 003.	As a technical assistance to the trainees to plant protection and quarantine department staff of the Ministry of Agriculture , Irrigation and Livestock (MAIL)	27.12.2011 - 30.12.2011 Kabul and Afghanistan
90.	Dr. T. Raguchander, Professor (Plant Patho.), Department of Millets, Tamil Nadu Agricultural University, Coimbatore - 641 003.	As a technical assistance to the trainees to plant protection and quarantine department staff of the Ministry of Agriculture , Irrigation and Livestock.	27.12.2011 - 30.12.2011 Kabul and Afghanistan
91.	Dr. S. Jeyarani, Assoc. Professor (Agrl. Ento.), Dept. of Agrl. Entomology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Conference on Biopesticides at Chiangmai.	11.12.2011 - 16.12.2011 Thailand
92.	Dr. C. Karthikeyan, Assoc. Prof. (Agrl. Extension), Department of A&RM, Tamil Nadu Agricultural University, Coimbatore - 641 003.	e-ASIA 2011 Award Ceremony at Dhaka.	01.12.2011 - 03.12.2011 Bangladesh

93.	Dr. V. Saravanakumar, Assistant. Prof. (Agrl. Economics), Department of Agronomy, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Research and Training workshop of SANDEE at Kathmandu.	05.12.2011 - 10.12.2011 Nepal
94.	Dr. N. Kumar, Dean (Horticulture), Horticulture College and Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Plant and Animal Genome Conference at San Diego, California.	14.01.2012 - 18.01.2012 USA
95.	Dr. P. Balasubramanian, Professor (Biotechnology), Dept. of Plant Biotechnology, TNAU, Coimbatore.	1) European Union to act as the Expert to evaluate a few proposals submitted to European Union for financial support. 2) Signed the agreement as set out the European Union for undertaking the review process.	Brussels
96.	Dr. R. Chandra Babu, Professor (Biotech), Dept. of PMB&BI, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Special lecture in the international Seminar on cultivation and genetic improvement at University of Tokyo during the fellowship period at USA.	03.02.2012 Japan
97.	Dr. S. Chellamuthu, Director, Water Technology Centre, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Texas A and M University to initiate collaborative programme with the object of increasing water use efficiency with special emphasis on climate change	February, 2012 - March, 2012 Texas, USA
98.	Dr. R. Samiyappan, Director (CPMB&B), Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Plant Diagnostics Network Workshop (IDPN)	07.02.2012 - 09.02.2012 Gazipur, Bangladesh

99.	Dr. S. Mohankumar, Professor (Biotech.), Department of Plant Biotechnology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Plant Diagnostics Network Workshop (IDPN) at Gazipur.	07.02.2012 - 09.02.2012 Bangladesh
100.	Dr. G. Karthikeyan, Assoc. Professor (Pl. Path.) Department of Millets, Tamil Nadu Agricultural University, Coimbatore - 641 003.	International Plant Diagnostics Network Workshop (IDPN)	07.02.2012 - 09.02.2012 Gazipur, Bangladesh
101.	Dr. V. Saravanakumar, Asst. Professor (Agrl. Econ.), Department of Agronomy, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Research and Training Workshop of SANDEE at Kathmandu.	08.01.2012 - 18.01.2012 Nepal
102.	Dr. K. S. Subramanian, Professor and Head, Department of Nano Science and Technology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Short term overseas training for TEM (Transmission Electron Microscope)	17.03.2012 - 01.04.2012 Netherlands
103.	Dr. C. R. Chinnamuthu, Associate Professor (Agron.), Department of Nano Science and Technology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Short term overseas training for TEM (Transmission Electron Microscope)	17.03.2012 - 01.04.2012 Netherlands
104.	Dr. A. Lakshmanan, Associate Professor (Env. Sci), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Short term overseas training for TEM (Transmission Electron Microscope)	17.03.2012 - 01.04.2012 Netherlands
105.	Dr. K. Arulmozhiselvan, Professor (SS&AC), Department of SS&AC, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Short term overseas training for TEM (Transmission Electron Microscope)	17.03.2012 - 01.04.2012 Netherlands
106.	Dr. D. Amirtham, Assistant Prof. (Biochem.), Forest College and Research Institute, Mettupalayam - 641 301.	Short term overseas training for TEM (Transmission Electron Microscope)	17.03.2012 - 01.04.2012 Netherlands

107.	Dr. E. I. Jonathan, Director (CPPS), Tamil Nadu Agricultural University, Coimbatore - 641 003.	Regional Planning Meeting with regard to Foreign Agency Scheme IRP-CRSP.	31.01.2012 - 04.02.2012 Nepal
108.	Dr. L. Pugalendhi, Professor and Head, Dept. of Vegetable Crops, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Regional Planning Meeting with regard to Foreign Agency Scheme IRP-CRSP.	31.01.2012 - 04.02.2012 Nepal
109.	Dr. C. Durairaj, Professor (Agrl. Entomology) Dept. of Pulses, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Regional Planning Meeting with regard to Foreign Agency Scheme IRP-CRSP.	31.01.2012 - 04.02.2012 Nepal
110.	Dr. V. Valluvaparidasan, Director, Open and Distance Learning, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Mauritius International Knowledge Investment Forum 2012	30.01.2012 Balaclava, Mauritius
111.	Dr. S. Robin, Professor and Head, Department of Rice, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Visited IRRI, Philippines to take up selections in the germplasm and breeding nurseries to suit the requirements of Tamil Nadu farmers.	March, 2012 The Philippines
112.	Dr. A. John Joel, Professor and Head, Department of PGR, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Visited IRRI, Philippines to take up selections in the germplasm and breeding nurseries to suit the requirements of Tamil Nadu farmers.	March, 2012 The Philippines
113.	Dr. K. R. Karunakaran, Assoc. Pffessor (Agrl. Econ.), Tamil Nadu Rice Research Institute, Aduthurai – 612 101.	ISEE 2012-International conference on ecological economics and Rio+20 and also permission for submission of full paper	29.05.2012 - 01.06.2012 Brazil
114.	Dr. N. Senthil, Assoc. Professor (Biotech.), Dept. of PMB&BT, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Visited the University of Hong Kong to work on the area of Human SNP analysis	21.02.2012 - 01.03.2012 Hong Kong

115.	Dr. S. Nakkeeran, Assoc. Professor (Pl. Path.), Department of Cotton, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the 7 th IPM Symposium at Memphis, Tennessee.	27.03.2012 - 29.03.2012 U.S.A.
116.	Dr. P. P. Mahendran, Assoc. Professor (SS&AC), Department of Agronomy, Agricultural College and Research Institute, Madurai – 625 104.	Attended the 10 th New Ag International Conference and Exhibition	28.03.2012 - 30.03.2012 Bangkok, Thailand
117.	Dr. D. Dinakaran, Professor (Plant. Path.), National Pulses Research Centre, Vamban - 622 303.	Attended the 7 th IPM Symposium at Memphis, Tennessee.	27.03.2012 - 29.03.2012 U.S.A.
118.	Dr. E. I. Jonathan, Director, CPPS, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the 7 th IPM Symposium at Memphis, Tennessee.	27.03.2012 - 29.03.2012 U.S.A.
119.	Dr. S. Suresh, Professor (Agrl. Ento), Department of Rice, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the 7 th IPM Symposium at Memphis, Tennessee.	27.03.2012 - 29.03.2012 U.S.A.
120.	Dr. S. V. Krishnamoorthy, Professor (Agrl. Ento), Dept. of Agrl. Entomology, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the 7 th IPM Symposium at Memphis, Tennessee.	27.03.2012 - 29.03.2012 U.S.A.
121.	Dr. G. Gajendran, Professor and Head, Dept. of Plant Protection, ADAC&RI, Tiruchirappalli – 620 009.	Attended the 7 th IPM Symposium at Memphis, Tennessee.	27.03.2012 - 29.03.2012 U.S.A.
122.	Dr. C. Durairaj, Professor (Agrl. Ento.), Department of Pulses, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the 7 th IPM Symposium at Memphis, Tennessee.	27.03.2012 - 29.03.2012 U.S.A.

123.	Dr. G. Karthikeyan, Assoc. Prof. (PI Path.), Department of Millets, Tamil Nadu Agricultural University, Coimbatore - 641 003.	Attended the 7 th IPM Symposium at Memphis, Tennessee.	27.03.2012 - 29.03.2012 U.S.A.
124.	Dr. L. Pugalendhi, Professor and Head, Dept of Veg. Crops, Horticultural College and Research Institute, Coimbatore – 641 003.	Attended the 7 th IPM Symposium at Memphis, Tennessee.	27.03.2012 - 29.03.2012 U.S.A.
125.	Dr. T. Jayaraj, Director, Tamil Nadu Rice Research Institute, Aduthurai - 612 101.	Visited M/s.Netafim Company at Israel and have technical discussion with the Netafim scientists and also professional tours to agricultural sites at Israel.	15.04.2012 - 20.04.2012 Israel
126.	Dr. V. Ravi, Professor (Agronomy), Tamil Nadu Rice Research Institute, Aduthurai - 612 101.	Visited M/s.Netafim Company at Israel and have technical discussion with the Netafim scientists and also professional tours to agricultural sites at Israel.	15.04.2012 - 20.04.2012 Israel
127.	Dr. T. Ramesh, Asst Prof. (Agronomy), Tamil Nadu Rice Research Institute, Aduthurai - 612 101.	Visited M/s. Netafim Company at Israel and have technical discussion with the Netafim scientists and also professional tours to agricultural sites at Israel.	15.04.2012 - 20.04.2012 Israel

128.	Dr. E. Subramanian, Asst Prof. (Agronomy), Tamil Nadu Rice Research Institute, Aduthurai - 612 101.	Visited M/s. Netafim Company at Israel and have technical discussion with the Netafim scientists and also professional tours to agricultural sites at Israel.	15.04.2012 - 20.04.2012 Israel
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DETAILS OF PDF

Sl. No.	Name of the Scientist, Designation and Address	Purpose	Period and place
1.	Dr. D. Rajabaskar, Assistant Professor (Agrl.Ento.), Regional Research Station, Paiyur – 635 112.	PDF programme on Entomology and chemical ecology at University of Idaho.	01.07.2011 – 25.08.2012 U.S.A

3. TECHNOLOGIES PATENTED AND REGISTERED (2011 - 12)

Patented Technologies

Sl. No.	Name of the Scientist	Invention	Patent Number
1.	Dr. V. Udayasuriyan Professor (Biotechnology)	A chimeric cry2A protein of <i>Bacillus thuringiensis</i> with higher insecticidal activity and a method for its development	244427
2.	Dr. R. Balasaraswathi Professor (Bio-technology)	CDNA gene encoding a protein with plant anti-viral property from Bougainvillea	248606
3.	Dr. K. Kailappan Professor (Agrl.Processing)	Process for the production of ready to cook mix and food from pearl millet	250608

Technologies filed for the award of Patents

Sl. No.	Department	Invention	Application Number
1.	Dr. R. Umarani, Associate Professor, Seed Science and Technology.	A seed pelleting mixture composition and seed pelleting protocol	233/CHE/2011
2.	Dr. R. Umarani, Associate Professor, Seed Science and Technology.	A machine for pelleting of seeds	234/CHE/2011
3.	Dr. G. Kathiresan, Director, Planning and Monitoring.	Kathir Paddy Nursery for SRI	2269/CHE/2011
4.	Dr. R. Velazhahan, Professor , Plant Pathology.	Herbal Formulation for Detoxification of Aflatoxins	1987/CHE/2011
5.	Dr. M. Sivakumar, Professor and Head, Department of Nematology.	Composition having nematocidal activity from <i>Swieteniamahogany</i> (Meliaceae) seed Kernal	1988/CHE/2011

6.	Dr. R. Jerlin, Associate Professor, Dept. of Seed Science and Technology.	An accurate, economical, fast track, DNA finger printing based genetic purity testing technique for commercial seed lot	2270/CHE/2011
7.	Dr. R. Umarani, Associate Professor, Dept. of Seed Science and Technology.	Designer seed tape	3812/CHE/2011
8.	Dr. R. Murugesan, Professor (Microbiology).	Process for separation of Amino mass, minerals and chitin from silkworm pupae bio-waste	3890/CHE/2011
9.	A. V. Gnanasambandam, Professor (Microbiology).	Spices Wine	2423/CHE/2011
10.	Dr. T. Jeyaraj, Director, TRRI, Aduthurai.	Tree Killer	4640/CHE/2011
11.	Dr. R. Poorniammal Research Associate, (Microbiology).	Process for producing a natural yellow pigment by submerged fermentation of a fungi <i>Thermomyces sp</i>	4456/CHE/2011
12.	Dr. K.S. Subramanian, Professor (Nano Science and Technology).	Nano-fertilizer formulation for smart delivery of nitrogen	4563/CHE/2011
13.	Dr. C. R. Ananda kumar, Professor (PB&G), AC&RI, Madurai.	Relative water position method for early identification of drought resistance in rice cultivars	3383/CHE/2011
14.	Thiru. S. Duraisamy, Farmer, Kulithalai.	Moving lever Hand Weeder	3748/CHE/2011
15.	Dr. G. Kathiresan, Director, Planning and Monitoring.	Cane Seedlings Pruner	241/CHE/2012
16.	Dr. M. Muthulakshmi, Senior Research Fellow, (Nematology).	Bio formulation of Egg parasitic fungi (<i>Engyodontium araneorum</i>) for control of potato cyst nematodes	399/CHE/2012
17.	Dr. P. Gomathinayagam, Professor (Plant Breeding and Genetics), AC&RI, Coimbatore.	Induced Seminal Rooting (ISR) Technique for Rapid and Mass Screening of Rice Genetic Accessions for Deep Root System	161/CHE/2012

18.	Agricultural Processing Department, TNAU, Coimbatore.	A thresher cum winnower device	0013/DEL/2012
19.	Dr. S. Ganeshram, Professor (Plant Genetic Resource).	Cut grain dip (CGD) method with Rapid Amylose Detection Solution (RADS) for determining amylose content (AC) in Rice	1266/CHE/2012
20.	Dr. H. Vijaya Ragahavan, Professor (Crop Physiology).	PGR Consortia for coconut	1604/CHE/2012
21.	Dr. S. Vincent, Associate Professor (Crop Physiology).	Plant Growth Regulated for Groundnut	1605/CHE/2012
22.	Dr. S. Vincent, Associate Professor (Crop Physiology).	Nutrient mix to improve maize yield	1606/CHE/2012
23.	Dr. H. Vijaya Ragahavan, Professor (Crop Physiology)	Nutrient mixture to reduce Iron chlorosis in sugarcane	1607/CHE/2012
24.	Dr. S. Vincent, Associate Professor (Crop Physiology).	Nutrient mix to increase cotton yield	1608/CHE/2012
25.	Dr. H. Vijaya Ragahavan, Professor (Crop Physiology).	PGR Consortia for Pulse	1609/CHE/2012
26.	Dr. H. Vijaya Ragahavan, Professor (Crop Physiology).	Nutrient mix to increase yield in banana	1610/CHE/2012
27.	Dr. K. Subashini, Associate Professor, Avinashilingam University, Coimbatore.	Cosmeceutical products based on allantoin rich extracts of <i>Pisonia alba</i>	84/CHE/2012
28.	Dr. K. Subashini, Associate Professor, Avinashilingam University, Coimbatore.	Medicinal Products based on allantoin rich extracts of <i>Pisonia alba</i> .	85/CHE/2012

2. Registration of Crop varieties

The important crop varieties such as paddy, pulses and other field crops are registered under Plant Protection and Farmers' Rights Act. Steps are being taken to register the latest varieties released.

3. Geographical Indicator

In association with Erode Turmeric Traders Association Technical Report was submitted to Geographical Indicator (GI) Registry for registration of Erode Turmeric under Geographical Indicator (GI).

4. EDUCATION

4.1. POST GRADUATE EDUCATION

Students Admission

Masters Programme

Sl. No.	Department	No. of candidates Passed out during 2011 - 12	Total No. of students enrolled during the academic year 2011 - 12	No. of students enrolled under self supporting programme during the academic year 2011 - 12
I.	AC&RI, Coimbatore			
	Agriculture			
	Agricultural Economics	17	10	1
	Agricultural Entomology	12	17	2
	Agricultural Extension	15	15	-
	Agricultural Microbiology	6	5	-
	Agricultural Meteorology	3	1	-
	Agronomy	22	15	-
	Biotechnology	20	14	2
	MBA	29	5	21
	Crop Physiology	10	4	1
	Environmental Sciences	8	9	-
	Plant Breeding & Genetics	31	12	4
	Nematology	2	2	-
	Plant Pathology	23	19	2
	Seed Science & Technology	19	20	1
	Soil Science & Agricultural Chemistry	15	11	1
	Sericulture	1	6	-
	Nano Science & Technology	-	2	-
	Horticulture	35	-	-
	Fruit Crops	-	10	-
	Floriculture & Landscaping & Medicinal Plants	-	11	4
	Spices & Plantation Crops	-	10	1
	Vegetable Crops	-	15	1
	Total	268	213	41

	Agri. Engineering			
	Bio Energy	6	2	-
	Farm Power & Machinery	2	6	3
	Food & Agricultural Process Engineering	8	14	-
	Soil & Water Conservation Engineering	5	11	-
	Environmental Engineering	-	6	-
	Total	21	9	3
II.	MPS Food Processing and Marketing	4	-	1
	M.Tech Biotechnology and Business Management	1		
	M.Tech. Biotechnology & Business Management	-	-	2
	MS Entomology	-	-	1
	MPS Plant Breeding & Genetics	-	-	2
	Total	5	-	6
III.	AC&RI, Madurai			
	Agriculture			
	Agricultural Economics	5	5	-
	Agricultural Entomology	5	7	-
	Agricultural Extension	-	5	-
	Seed Science & Technology	-	5	-
	Agricultural Microbiology	1	-	-
	Agronomy	9	9	-
	Plant Breeding & Genetics	9	9	1
	Plant Pathology	4	6	-
	Soil Science & Agri. Chemistry	4	3	1
	Horticulture	7	-	-
	Total	44	49	2
IV.	HSC & RI, Madurai			
	Food Science & Nutrition	4	6	-
V.	FC&RI, Mettupalayam			
	Forestry	11	19	2
VI.	AC&RI, Killikulam			
	Agronomy	-	8	-
	Plant Breeding and Genetics	-	7	-
	Soil Science & Agri. Chemistry	-	4	-
	Total	-	19	-
	Grand Total	353	345	54

Doctoral Programme

Sl. No.	Department	No. of candidates Passed out during 2011 - 12	Total No. of students enrolled during the academic year 2011 - 12	No. of students enrolled under self supporting programme during the academic year 2011 - 12
I.	AC&RI, Coimbatore			
	Agriculture			
	Agricultural Economics	3	6	-
	Agribusiness Management	-	7	1
	Agricultural Entomology	2	18	1
	Agricultural Extension	-	6	-
	Agricultural Microbiology	4	6	-
	Agronomy	6	11	-
	Biotechnology	6	6	1
	Agricultural Meteorology	-	2	1
	Sericulture	-	2	-
	Crop Physiology	1	2	1
	Environmental Sciences	3	4	1
	Plant Breeding & Genetics	9	26	1
	Nematology	1	0	1
	Plant Pathology	3	9	-
	Seed Science & Technology	2	3	1
	Soil Science & Agrl. Chemistry	4	10	1
	Econometrics	-	5	-
	Total	44	123	10
	Horticulture			
	Floriculture, Landscaping & Medicinal Crops	1	7	-
	Fruit Crops	1	7	1
	Spices & Plantation Crops	1	4	-
	Vegetable Crops	1	11	1
	Total	4	29	2
	Agricultural Engineering			
	Bio Energy	1	4	-
	Farm Power & Machinery	2	1	-
	Food & Agricultural Process Engineering	2	3	3
	Soil & Water Conservation Engineering	4	3	2
	Total	9	11	5

II.	AC&RI, Madurai			
	Agriculture			
	Agricultural Economics	1	-	-
	Agricultural Entomology	1	-	-
	Agricultural Microbiology	1	-	-
	Agronomy	-	-	-
	Plant Breeding & Genetics	-	-	-
	Plant Pathology	-	-	-
	Seed Science & Technology	1	-	-
	Soil Science & Agrl. Chemistry	-	-	-
	Horticulture	-	-	-
	Total	4	-	-
III.	HSC & RI, Madurai			
	Food Science & Nutrition	4	4	-
IV.	FC&RI, Mettupalayam			
	Forestry	5	9	1
	Grand Total	70	176	18

Foreign students admitted for Masters program during the academic year 2011 - 12

Sl. No.	Department	Country	No. of students admitted
1.	Environmental Sciences	Tanzania	1
2.	Agrl. Economics	Nigeria	1
3.	Soil & Water Conservation	Rwanda	1
		Total	3

Foreign students admitted for Doctoral program during the academic year 2011 - 12

Sl. No.	Department	Country	No. of students admitted
1.	Agrl. Entomology	Sudan	1
2.	Food & Agrl. Process Engineering	Srilanka	1
		Total	2

Student Exchange Program

Global immersion programs

- Mr. A. Surendran, II Ph.D. student in Agricultural Economics, TNAU, Coimbatore carried out part of his thesis research at the Department of Bio Resources Policy and Business Economics for 6 months from 28.03.2011 to 28.09.2011 with a scholarship awarded by Canadian Bureau of International Education on behalf for foreign affairs and International trade for Canada (DFAIT) under Canadian Common Wealth Exchange Program.
- Ms. S. Thanga Suja, I Ph.D. scholar, Dept. of Plant Molecular Biology and Biotechnology, TNAU, Coimbatore undertook research at Global Rice Science Scholarship Award Program 2011 at International Rice Research (IRRI), Manila, Philippines to carry out her thesis research at IRRI for 36 months.
- Mr. R. Krishnamoorthy, I Ph.D. student in Agricultural Microbiology, TNAU, Coimbatore has got ICAR international fellowship to study at Chungbuk National University, South Korea.

Other institutes in which TNAU students undertake research

International Institutes

- Cornell University, USA.
- University of Adelaide, Australia.
- University of South Australia, Adelaide.
- Universita Politecnica delle Marche, Italy.
- University of Saskatchewan, Canada.
- Mc Gill University, Canada.
- Durban University of Technology, South Africa.
- International Rice Research Institute, The Philippines.
- Hebrew University of Jerusalem, Israel.
- Volcani Center, Israel.
- 'N' Parks, Singapore.
- Justus Leibig University, Germany.
- Leibniz University, Canada.
- Chiba University, Japan.

National Institutes

- Defence Research Laboratory, New Delhi.
- National Remote Sensing Agency, Hyderabad.
- Indian Institute of Spices Research, Calicut.
- Indian Institute of Horticultural Research, Bangalore.
- ICAR Research Complex, Goa.
- Assam Agricultural University, Jorhat.
- National Research Centre for Oil Palm, Andhra Pradesh.
- Central Institute for Arid Horticulture, Bikaner.
- Indian Institute of Pulse Research, Kanpur.

Private R&D Institutions

- Jain Hi Tech Agricultural Institute, Jalgaon.
- Barwale Foundation, Hyderabad.
- Mahyco Research Foundation, Hyderabad.
- Metahelix, Bangalore.
- John Deere, Pune.
- Rockefeller Foundation, Bangkok, Thailand.
- Mahindra & Mahindra, Mumbai.

Special lectures delivered

Sl. No.	Nature of lecture	Title of Lecture	Date	Delivered by
1.	Arutselvar Dr. N. Mahalingam Muthu Vizha Endowment Lecture	Morality and Ethics: A Philosophical Overview	21.02.2012	Dr. S.P. Tiwari Ex - DDG (Education) ICAR, New Delhi
2.	Dr. G. V. Challam Endowment Lecture	Genetic Engineering of Seed Protein Composition	29.03.2012	Dr. Harikrishnan Research Molecular Biologist USDA, Columbia, Missouri, USA

Other Highlights

- Dr. John Turner, Professor of Plant Sciences, Centre for Contemporary Agriculture. School of Biological Sciences, University of East Anglia, Norwich, U.K. visited SPGS to discuss about collaboration in Education programmes on 05.04.2011.
- Dr. K. Sathyagopal, IAS, Director General, NIPHM, Hyderabad interacted with postgraduate and Ph.D. students about PGDPHM offered by National Institute of Plant Health Management, Hyderabad on 25.04.2011.
- Dr. Peter French and Dr. Christine Allison from USAID visited SPGS to discuss about dual degree program on 26.04.2011.
- Mentoring Workshop on Full Bright Nehru Fellowship opportunities for faculties, professionals and research scholars was organized by Dean (SPGS) at Golden Jubilee Hall on 04.05.2011. Mr. S. Vasudevan, Acting Regional Officer and Educational Advisor, USIEF, Chennai represented on behalf of USIEF.
- Dr. G. Shankar, Registrar, NIPHM interacted with postgraduate and Ph.D. students was organized at Anna Auditorium on 09.06.2011 about PGDPHM offered by National Institute of Plant Health Management, Hyderabad.
- Dr. Doug Tfeffier, Professor (Ento.), Virginia Polytechnic & State University, Black Fburg, Virginia and Dr. Amer Fayed, Assistant Programme Director, IPM / CRSP, Virginia Polytechnic & State University, Black Fburg, Virginia visited TNAU for graduate opportunities on July 22, 2011.
- Dr. Eloise Carter, Director (Intl. Programs), Dr. Sammy Gorham, Professor (Pathobiology), Tuskegee University, Tuskegee, Alabama, USA visited TNAU for Norman Borlaug Scientific Exchange Program on Aug. 8, 2011.
- Dr. C. Udayasoorian, Dean (SPGS), was honoured with Bharat Vidya Shironmni Award conferred by Indian Solidarity Council, New Delhi for his outstanding achievements and remarkable role in the field of education on 11.08.2011.
- Dr. C. Udayasoorian, Dean (SPGS), was honoured with Rashtriya Vidya Gaurav Gold Medal Award conferred by International Institute of Education and Management, New Delhi for his outstanding achievements and remarkable role in the field of education 11.08.2011.
- Dr. C. Udayasoorian, Dean (SPGS), was honoured with Eminent Educationist Award and certificate of Education Excellence, New Delhi for his outstanding achievements and remarkable role in the field of higher education on 25.08.2011.

- Third batch of 6 students, left to Cornell University for MS / MPS program on 16.08.2011.
- Dr. Venkatesh Meda, Associate Professor, University of Saskatchewan, Dept. of Biological & Chemical Engineering and Dr. Bolo Tyler, Prof. & Assoc. Dean, University of Saskatchewan, Dept. of Biological & Chemical Engineering visited SPGS to discuss about collaboration in Education programmes on 19.8.2011
- Two overseas students from Nigeria and Tanzania joined to pursue M.Sc. program.
- Mr. S. Vivek, Mr. R. Harish and Mr. N. Malarmannan, MBA students attended summer school at CMIS (Centre for Modern Indian Studies) - University of Colonge, Germany from 17.09.2011 to 02.10.2011.
- Dr. Walter De Jong, Associate Professor and Director of Graduate Studies, Field of Plant Breeding, Dept. of Plant Breeding and Genetics, Cornell University, Ithaca, USA visited TNAU on 29.09.2011 and 30.09.2011 to discuss the admission procedures and how to collaboratively improve them, present first hand information about Cornell's Plant Breeding department to the TNAU students and interact with Plant Breeding faculty to optimize the joint supervision process of the students.
- Dr. Antony Shelton, Professor and CALS International Professor, Department of Entomology visited TNAU on 07.10.2011 to discuss on the research themes and other relevant issues at TNAU and interact with Entomology faculty.
- Dr. Alfred Ndabarasa, 1st Counsellor, High Commission of the Republic of Rwanda, New Delhi visited TNAU on 17.11.2011 to exchange views on issues of mutual interest.
- Dr. C. Udayasoorian, Dean (SPGS), attended International workshop on Asian Greenhouse Gases Budgets, at Physical Research Laboratory, Ahmedabad from 26.09.2011 to 29.09.2011.
- Ms. Vidhyasri, S. II M.Sc. (Ag.) student in Agricultural Microbiology, TNAU, Coimbatore was awarded first prize for the oral presentation of a research article in the National level seminar on "Challenges and Opportunities in Biological Sciences" organized by Departments of Microbiology and Biochemistry at Muthayammal College of Arts & Sciences, Rasipuram, Namakkal.
- Attended the Brainstorming workshop to impart specialization degree programs in Forestry on 02.11.2011 & 03.11.2011.
- Dr. J. S. Kennedy, Professor (Edn.), Principal Investigator for Entomology Research Projects attended the AICRP *Rabi* - summer groundnut workshop at OUA&T, Bhubaneswar during 2 - 3, November, 2011.

- Participated in the Samai Field day at Javadu Hills, Jamunamarathur, Thiruvannamalai on 04.11.2011 & 05.11.2011.
- Er. M. M. Pragalyaashree, Ph.D. student in Agricultural Processing and Food Engineering, TNAU, Coimbatore awarded first prize in TNSCST Seminar organized by the Tamil Nadu State Council for Science and Technology at Muthaiammal Engineering College, Rasipuram during Sept. 16 - 17, 2011 for the paper presented on enhancing the shelf life of coriander and mint leaves using modified atmosphere packaging.
- Dr. R. M. Jayabalakrishnan, Assistant Professor (Env. Sci.), HRS, Ooty attended the ICAR winter school training programme on Data mining techniques and tools for knowledge discovery in agricultural datasets at Indian Agricultural Statistical Research Institute (IASRI), New Delhi from 3rd to 23rd November, 2011.
- Attended collaborative workshop on strengthening agricultural professional development through education and accelerated technology absorption through extension at Hotel Radisson Blu Dwarka, New Delhi from 18.12.2011 to 22.12.2011.
- Organized a three day workshop on Publication Writing at Golden Jubilee Hall during January, 5 - 7, 2012 for the benefit of TNAU faculty.
- Graduation ceremony for the second batch of dual degree students was conducted on 04.01.2012.
- Dr. S. S. Gosal, Dr. Gursharan Singh, Dean, PG Studies and Dr. (Mrs.) Neelam Grewal, Dean, College of Home Science, Punjab Agricultural University, Ludhiana visited TNAU on 24.01.2012 to discuss about the activities of postgraduate education.
- Attended 40th Governing body meeting of PAJANCOA (Karaikal Society), Pondicherry from 15.02.2012 to 17.02.2012.
- Participated in the Anna (R) 4 Field day at AC&RI, Madurai on 25.02.2012.
- Attended National Seminar on "Technologies for Improving Productivity of Spices and Plantation Crops" at CARI, Port Blair on 25.02.2012 - 29.02.2012.
- Conducted 29th Board of Studies at RI Building Seminar Hall on 06.03.2012.
- Mr. P. Mohammed Faisal, I Ph.D. in Pathology and Mr. R. Stephen Rajasingh, II Ph.D. in Agronomy were awarded Maulana Azad National Fellowship for Ph.D. research at New Delhi for the year 2011 - 12.
- Mr. A. Surendran, II Ph.D. student in Agricultural Economics, TNAU, Coimbatore got selected for the Jawaharlal Nehru Scholarship.

- Th. Ramakrishnan, Asst. Professor (Agrl. Extension), KVK, Aruppukottai was selected for the Best Extension Worker Award for the year 2009.
- Mr. Manjunath Hubballi (09 - 812 - 002) II Ph.D student in Plant Pathology, TNAU, Coimbatore was attended and presented a Research Paper in the Conference on “New frontiers in Plant Pathology for Asia and Oceania” during 26th to 29th of April 2011 (4 days) at Darwin Convention Centre, Northern Territory, Australia.
- Ms. J. Gokila, II M.Sc. student in Biotechnology presented best paper entitled Impacts of climate change on water resources, at National symposium on innovative and modern technologies for Agricultural Productivity, Food security and environmental management held at The Saffron Boutique Hotel, Mangalore, Karnataka, during July 22 - 23, 2011.
- Mr. G. Selvakumar, II Ph.D. student was selected for Pioneer Hi - Bred Research International Scholarship.
- Dr. M. R. Manikantan, Ph.D. scholar was conferred with the Jawaharlal Nehru Award for the year 2010 for his Ph.D. thesis entitled, Development and evaluation of high barrier nanocomposite films for food packaging.
- Dr. Shinoj Subraamannian, Ph.D. scholar was conferred with the Jawaharlal Nehru Award for the year 2011 for his Ph.D. thesis, Development and characterization of Oil palm fibre – Linear low density polyethylene (LLDPE) Biocomposites.

4.2. UNDER GRADUATE EDUCATION

Tamil Nadu Agricultural University, Coimbatore

Students Admission - Degree wise (2011 - 12 Academic year)

Sl. No.	Degree	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	B. Sc. (Agriculture)	-	-	10	16	111	195	121	211
2.	B. Sc. (Horticulture)	-	-	-	1	28	80	28	81
3.	B. Sc. (Forestry)	-	-	1	-	21	14	22	14
4.	B. Tech. (Agrl. Engg.)	-	-	1	-	21	31	22	31
5.	B. Sc. (Home Science)	-	-	-	-	3	24	3	24
6.	B. Sc. (Sericulture)	-	-	-	-	9	19	9	19
7.	B. Tech. (Biotechnology)	18	43	-	-	-	-	18	43
8.	B. Tech. (Bioinformatics)	9	20	-	-	-	-	9	20
9.	B. Tech. (Horticulture)	9	28	-	-	-	-	9	28
10.	B. Tech. (FPE)	18	36	-	-	-	-	18	36
11.	B. Tech. (EEE)	23	28	-	-	-	-	23	28
12.	B. Tech. (AIT)	3	21	-	-	-	-	3	21
13.	B. S. (ABM)	12	23	-	-	-	-	12	23
	Total	92	199	12	17	193	363	297	579

Students Admission - Quota wise

Sl. No.	Category	Admission Details						
		General		Self Supporting		Total		
		Boys	Girls	Boys	Girls	Boys	Girls	Total
1.	General	18	32	17	41	35	73	216
2.	BC	81	171	31	86	112	257	738
3.	BCM	3	13	4	5	7	18	50
4.	MBC	55	65	24	35	79	100	358
5.	DNC	3	4	-	1	3	5	16
6.	SC	23	69	12	28	35	97	264
7.	SCA	5	6	1	3	6	9	30
8.	ST	5	3	3	0	8	3	11
9.	ICAR	12	17	-	0	12	17	29
10.	Others	-	-	-	-	-	-	10
	Total					297	579	876

Students Admission – Campus wise

B. Sc. (Agriculture)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	AC & RI, Coimbatore	-	-	2	2	23	73	25	75
2.	AC & RI, Madurai	-	-	3	5	30	49	33	54
3.	ADAC & RI, Trichy	-	-	3	2	32	35	35	37
4.	AC & RI, Killikulam	-	-	2	7	22	43	24	50

B. Sc. (Horticulture)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	HC&RI, Periyakulam	-	-	-	1	28	43	28	44

B. Sc. (Horticulture)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	HC&RI (W), Trichy	-	-	-	-	-	37	-	37

B. Sc. (Forestry)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	FC & RI, Mettupalayam	-	-	1	-	21	14	22	14

B. Tech. (Agricultural Engineering)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	AEC & RI, Kumulur	-	-	1	-	21	31	22	31

B. Sc. (Home Science)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	H. Sc. & RI, Madurai	-	-	-	-	3	24	3	24

B. Tech. (Biotechnology)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	AC & RI, Coimbatore	18	43	-	-	-	-	18	43

B. Tech. (Horticulture)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	HC & RI, Coimbatore	9	28	-	-	-	-	9	28

B. Tech. (Bioinformatics)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	AC & RI, Coimbatore	8	21	-	-	-	-	8	21

B. Tech. (Food Processing Engineering)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	AEC & RI, Coimbatore	18	36	-	-	-	-	18	36

B. Tech. (Energy and Environmental Engineering)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	AEC & RI, Coimbatore	23	28	-	-	-	-	23	28

B. Tech. (Agricultural Information Technology)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	AC & RI, Coimbatore	3	21	-	-	-	-	3	21

B. S. (Agri Business Management)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	AC & RI, Coimbatore	11	24	-	-	-	-	11	24

B. Sc. (Sericulture)

Sl. No.	College	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	AC & RI, Coimbatore	-	-	-	-	11	24	11	24

1. Agricultural College and Research Institute, Coimbatore

Students Admission - Degree wise

Sl. No.	Degree	Self Supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	B. Sc. (Agriculture)	-	-	2	2	23	73	25	75
2.	B. Sc. (Sericulture)	-	-	-	-	11	24	11	24
3.	B. Tech. (Biotechnology)	18	43	-	-	-	-	18	43
4.	B. Tech. (Bioinformatics)	8	21	-	-	-	-	8	21
5.	B. Tech. (AIT)	3	21	-	-	-	-	3	21
6.	B. S. (ABM)	11	24	-	-	-	-	11	24
	Total	40	109	2	2	34	97	76	208

Students Admission - Quota wise

Sl. No.	Category	Admission Details					
		General		Self Supporting		Total	
		Boys	Girls	Boys	Girls	Boys	Girls
1.	General	15	38	8	36	23	74
2.	BC	10	39	11	29	21	68
3.	BCM	-	4	2	3	2	7
4.	MBC	9	24	8	21	17	45
5.	DNC	3	5	2	4	5	9
6.	SC	11	20	8	13	19	33
7.	SCA	1	2	1	1	2	3
8.	ST	2	-	2	-	4	-
9.	ICAR	2	2	-	-	2	2
10.	Others	-	-	-	-	-	-
	Total	53	134	42	107	95	241

Students Strength - Year wise

B. Sc. (Agriculture)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I	32	63	95
2.	II	26	75	101
3.	III	37	64	101
4.	IV	29	67	96

B. Tech. (Biotechnology)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I	13	38	51
2.	II	20	45	65
3.	III	12	39	51
4.	IV	18	35	53

B. Tech. (Bioinformatics)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I	8	20	28
2.	II	8	22	30
3.	III	7	20	27
4.	IV	5	23	28

B. Tech. (Agricultural Information Technology)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I	8	20	28
2.	II	3	22	25
3.	III	5	21	26
4.	IV	15	7	22

B. S. (Agribusiness Management)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I	12	26	38
2.	II	11	25	36
3.	III	6	16	22
4.	IV	9	16	25

B. Sc. (Sericulture)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I	10	19	29
2.	II	8	20	28

Details of scholarships availed by students

Sl. No.	Particulars	No. of students availed			Scholarship amount (Rs. / student)
		General	SC / ST	Total	
1.	BC/MBC/DNC Scholarship	365	-	365	10,690 to 3,723
2.	Periyar Endowment Scholarship	2	-	2	5,000
3.	Ms. Kokilavani, Ms. Gayathri & Ms. Hemalatha Endowment Scholarship	1	-	1	6000
4.	SC/ST Scholarship	84	-	84	17,260 to 9,790
5.	SC/ST Honourable Chief Minister's Award Scholarship	6	-	6	1,500

Study Tour

Sl. No.	Nature of Tour	Period	Places Visited	Number of Students
1.	Practical schedule	One day	NABL accredited quality control laboratory at UPASI, Valparai	265
2.	Practical schedule	20.04.12 and 27.04.12	Agricultural Research Station, Bhavanisagar M/s Sakthi Sugars Private Ltd., Appakudal Central Tobacco Sub – Research Centre (ICAR), Vedasanthur Coconut Research Station, Aliyar Nagar	97
3.	Practical schedule	21.11.11	M/s. Vee Yel Fruit Products Limited, Mettupalayam. Fruit & Vegetable Processing Unit, Coonoor	51
4.	Practical schedule	One day (25.11.11)	Coconut Research Station, Aliyar Nagar	125
5.	Practical schedule	One day (09.11.11)	ARS, Bhavanisagar Farms and nearby Farmers Field	83
6.	Outdoor Visit	One day (19.04.12)	Coconut Research Station, Aliyar Nagar	97
7.	Outdoor Visit	One day (26.04.12)	The State Horticultural Farm at Kallar, Sim's Park, Coonoor, Botanic Garden, Ooty and the Private nursery (Balaji Roja Nursery) at Narasimmanaickanpalayam	97
8.	Outdoor Visit	One day (18.04.12)	Coconut Research Station, Aliyar Nagar	59

9.	Practical schedule	One day (11.04.12)	ARS, Bhavanisagar Farms and nearby Farmers Field	59
10.	Study Tour	One day (20.04.12)	Agricultural Research Station, Bhavanisagar	44
11.	Study Tour	One day (30.03.12)	Siruvani Water Treatment	27

Campus Interviews and Placement

A total of 48 companies visited TNAU during 2011 - 12 for conducting interviews and selecting students. The details of students selected in different sectors:

Sl. No.	Name of Agency	Number of Students
1.	Agro Industry	73
2.	Food Industry	12
3.	Fertilizer Industry	12
4.	NGO/Government	9
5.	Plantations	2
6.	Banks	293
Total		401

Sports / Games and Prize Winners

Sl. No.	Name of the Medal	Organizer	Place and Date	Winners	Rank
1.	Gold	TNAU Inter Collegiate Tournament	APAC, Kalavai from 31.01.2012 to 04.02.2012	13	1
2.	Gold	All India Inter Agri Tournament 2012 held at Dr. Panjabrao Deshmukh Krishi Vidyapeeth	Akola, Maharashtra from 16.02.2012 to 19.02.2012	7	1

Students' functions

Sl. No.	Date	Name of the Function
1.	22.02.2012 & 23.02.2012	Muthamizh Vizha
2.	18.11.2012 & 19.11.2012	Sangamithra
3.	20.03.2012	Sports Day
4.	22.02.2012	Hostel Day
5.	12.01.2012	Pongal Vizha
6.	02.04.2012	Club day – Valedictory Function

2. Agricultural College and Research Institute, Madurai

Students Admission (Degree wise)

Sl. No.	Degree	General			Self Supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B. Sc. (Ag.)	26	64	90	-	-	-	26	64	90
2.	M. Sc. (Ag.)	24	26	50	-	-	-	24	26	50

Students Admission (Quota wise)

Sl. No.	Category	General			Self Supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	-	-	-	-	-	-
2.	BC	15	35	50	-	-	-	15	35	50
3.	MBC	9	3	12	-	-	-	9	3	12
4.	ST	1	1	2	-	-	-	1	1	2
5.	SC	5	9	14	-	-	-	5	9	14
6.	ICAR	3	5	8	-	-	-	3	5	8
7.	Others	0	1	1	-	-	-	0	1	1
	Total	33	54	87	-	-	-	33	54	87

Students Strength (Year wise)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I	26	64	90
2.	II	26	71	97
3.	III	26	66	92
4.	IV	44	58	102
	Total	122	259	381

Details of scholarships availed by students

Sl. No.	Particulars	No. of students availed (UG & PG)	Scholarship Amount (Rs.)
1.	TNAU – Merit scholarship (UG)	9	9000
2.	TNAU – Merit scholarship (PG)	3	30000
3.	TNAU – Research Assistantship	1	15000
4.	Prize Money scholarship to Adi - Dravidar Students	4	20000
5.	ICAR National Talent Scholarship (UG)	32	320000
6.	Chikkammal – Kamala Endowment Scholarship (UG)	1	6250
7.	Chikkammal – Kamala Endowment Scholarship (PG)	1	6250
8.	UGC – Rajiv Gandhi National Fellowship (Ph. D. students 2 Nos.)	2	424258
9.	GOI - DST Inspire Fellowship (Ph. D. students 2 Nos.)	2	558400
10.	Adi - Dravidar Welfare Higher Education Special Scholarship (Fresh & Renewal)	78	546000
11.	Adi - Dravidar Welfare Scholarship	100	1178210
12.	BC and MBC Scholarship (Fresh & Renewal)	225	1499896
13.	Chief Minister Award (UG)	8	12000
14.	TNSC&ST Program Project Scheme Fund	2	12000
15.	Tuition fee concession to first graduate students	65	217600
	Total	533	4854864

Education related Awards and Prizes won

Sl. No.	Name of the award	Year	Name of the student
1.	TNSCST Student Project @ Rs 6000 per Student	2011 - 2012	T. Masanaselvam (Agrl. Extn) T. Radhamani (PB & Genetics)

Study Tour

Sl. No.	Nature of Tour and period	Places visited
1.	Industry and Institutional Educational Tour 28 days from 22.08.2011 to 18.09.2011	Central Sericulture Research and Training Institute, Mysore
		Indian Institute of Horticulture, Bangalore
		SAFAL Market, Bangalore
		University of Agricultural Sciences, Bangalore
		Zonal project Directorate, Zone VII, Bangalore
		Acharya N. G. Ranga Agricultural University, Hyderabad
		National Institute of Plant Health Management, Hyderabad
		National Academy of Agricultural Research Management, Hyderabad
		National Institute of Agricultural Extension Management, Hyderabad
		Directorate of Oil Seed Research, Hyderabad
		Directorate of Rice Research, Hyderabad
		Central Research Institute for Dryland Agriculture, Hyderabad
		National Institute of Rural Development, Hyderabad
		International Crop Research Institute for Semi - arid Tropics, Hyderabad
		Indian Agricultural Research Institute, New Delhi
		National Dairy Research Institute, Karnal
		Directorate of Wheat Research, Karnal
		Central Soil salinity Research Institute, Karnal
		Indian Remote Sensing Institute, Dehradun
		Indian Forest Research Institute, Dehradun
		Central Potato Research Institute, Simla
		Directorate Mushroom cultivation, Solan
Punjab Agricultural University, Ludhiana		
Water Technology Centre, IARI, New Delhi		
National Bureau of Plant Genetics Resources, New Delhi		
National Agricultural Science Museum, New Delhi		

Campus Interviews and Placement

Sl. No.	Name of the Agency	Number of Students
1.	Dharani Sugars	7
2.	Biosuccess (p) Ltd.	7
3.	Hand in Hand (NGO)	2
4.	Dhan Foundation	2
5.	BMT KVK	3
6.	Bank of India	5
7.	Canara Bank	11
8.	Axis Bank	5
9.	Indian Overseas Bank	26
10.	Sundaram Finance	1
	Total	69

Sports / Games and Prize Winners

Sl. No.	Name of the Medal/ Game & Sports	Organizer	Place & Date	Winners	Ranks
1.	Hockey, Table Tennis (Men)	TNAU, Inter Collegiate Tournament - 2011 - 2012, TNAU, Coimbatore	07.12.2011 to 09.12.2011	AC & RI, Madurai	Runner
2.	Ball Badminton (Men)	TNAU - ICT - 2011 - 2012, APAC, Kalvai	31.01.2012 to 04.02.2012	AC & RI, Madurai	Runner
3.	Chess (Women)	TNAU - ICT - 2011 - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	AC & RI, Madurai	Winner
4.	Ball Badminton & Kho - Kho (Women)	TNAU - ICT - 2011 - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	AC & RI, Madurai	Runner
5.	Games Overall Championship (Women)	TNAU - ICT - 2011 - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	AC & RI, Madurai	Second
6.	100 m Run	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	M. Jeyavelan	Third
7.	200 m Run	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	M. Jeyavelan	Second

8.	800 m Run	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	S. Poovarasan	Second
9.	1500 m Run	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	S. Poovarasan	Second
10.	5000 m Run	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	S. Poovarasan	First
11.	110 m Hurdles	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	M. Jeyavelan	First
12.	Triple Jump (Men)	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	D. Karthik	Second
13.	4x100 m Relay (Men)	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	AC & RI, Madurai	Second
14.	4x400 m Relay (Men)	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	AC & RI, Madurai	Second
15.	800 m Run (Women)	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	A. Sowbakkiyam	Second
16.	1500 m Run (Women)	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	A. Sowbakkiyam	First
17.	3000 m Run	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	A. Sowbakkiyam	First
18.	400 m Hurdles	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	P. Deepika Devi	Second
19.	High Jump	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	P. Vanaja	First
20.	Triple Jump	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	P. Deepika Devi	Third
21.	Javelin	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	P. Vanaja	Second
22.	4 x 400 m Relay	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	AC & RI, Madurai	Third
23.	4 x 100 m Relay	All India Inter Agri. University Tournament, Akola. (Maharashtra)	16.02.2012 to 19.02.2012	AC & RI, Madurai	First

Madurai students participated in the All India Inter Agricultural University tournament held at Dr. Panjabaro Desmugh Vidyapeeth, Akola (Maharashtra), from 16. 02. 2012 to 19. 02. 2012.

Sl. No.	Name of the Student	Year	Event
1.	S. Sri Ram	IV B. Sc. Agriculture	Athletic
2.	S. Hariprasath	III B. Sc. Agriculture	Basketball
3.	D. Karthik	II B. Sc. Agriculture	Volleyball
4.	K. Karthikeyani	I B. Sc. Agriculture	Volleyball

A total of 42 Agricultural University participated in the All India Inter Agricultural University Tournaments held at Akola,(Maharashtra) from 16th Feb, to 19th Feb, 2012. Dr. M. Senthilkumar, Assistant Director of Physical Education, went as team Manager. In this we were the winner for the first time in Volleyball.

Sl. No.	Name of the Medal/ Game & Sports	Organizer	Place & Date	Winners	Ranks
1.	Volleyball (Men)	All India Inter Agri. University Tournament, Akola) Maharashtra)	16.02.2012 to 19.2.2012	TNAU, Coimbatore	Winner
2.	Athletic (Men & Women)	All India Inter Agri. University Tournament, Akola. (Maharashtra)	16.02.2011 to 19.02.2011	TNAU, Coimbatore	Second

Students' functions

Sl. No.	Date	Name of the Function
1.	03.08.2011	Students club inauguration
2.	16.08.2011	Orientation Programme
3.	29.12.2011	Thullal
4.	06.01.2012 & 07.01.2012	Talentia - 2012
5.	11.02.2012 & 12.02.2012	Trekking to hills (Trekking society)
6.	02.03.2012	Agri Harvest - 2012
7.	09.03.2012 & 10.03.2012	Muthamizh Vizha - 2012
8.	21.03.2012	Sports day
9.	02.04.2012	College day
10.	02.04.2012	Hostel day

3. Agricultural College and Research Institute, Killikulam

Students Admission – Degree Wise

Sl. No.	Degree	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B. Sc. (Ag.)	34	38	72	-	-	-	34	38	72
2.	M. Sc. (Ag.)	12	07	19	-	-	-	12	07	19

Students Admission – Quota wise – B. Sc. (Ag)

Sl. No.	Category	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	01	01	02	-	-	-	01	01	02
2.	BC	17	18	35	-	-	-	17	18	35
3.	BCM	-	01	01	-	-	-	-	01	01
4.	MBC	07	08	15	-	-	-	07	08	15
5.	ST	01	-	01	-	-	-	01	-	01
6.	SC	05	08	13	-	-	-	05	08	13
7.	ICAR	03	02	05	-	-	-	03	02	05
8.	Others	-	-	-	-	-	-	-	-	-
	Total	34	38	72	-	-	-	34	38	72

Students Strength – Year wise

Sl. No.	Year	Batch	Number of Students		
			Boys	Girls	Total
1.	I Year	2011	34	38	72
2.	II Year	2010	35	52	87
3.	III Year	2009	30	58	88
4.	IV Year	2008	34	43	77

Details of Scholarships availed by students

Sl. No.	Name of the Scholarship	Amount Receipt (Rs.)	No. of Students benefited
1.	BC/MBC/DNC Scholarship	11,27,362	134
2.	SC/ST Post metric Scholarship	11,78,960	72
3.	Higher Education Spl. Scholarship	2,56,000	32
4.	Chief Minister Awards	12,000	8
5.	Prize Money Award Scholarship	10,000	02
6.	TN State Special Scholarship	50,610	6
	Total	26,34,932	254

Education related awards and prizes won

Sl. No.	Title of the Medal	Awardees
1.	Marimuthu Memorial Medal	Kanchan Mishra, BSA 07 - 434
2.	Pioneer Batch Medal	Kanchan Mishra, BSA 07 - 434
3.	Ilangovan Endowment Award	Kanchan Mishra, BSA 07- 434
4.	Killikulam Scientists Endowment Medal	Kanchan Mishra, BSA 07 - 434
5.	FACT Medal	Kanchan Mishra, BSA 07 - 434
6.	Pon Essakiappillai Gomathiammal Medal	Pallavi Singh, BSA 08 440
7.	C. Balasubramaniam Medal	Pallavi Singh, BSA 08 440
8.	The Royal Killies Medal	Neethu Prabhakar, BSA 09505
9.	The Smart Killies Medal	Bala Dithya T, BSA 10461
10.	Charms Endowment	A . Vigneshwari, BSA 070477
11.	Killikulam Agronomist Medal	Kanchan Mishra, BSA 07 - 434
12.	Roopavathi Memmorial Medal	Aswathy, R., BSA 09 503
13.	S. M. Punniamoorthy - Nagarathinammal Medal	Kanchan Mishra, BSA 07 - 434
14.	1984 – 88 batch Medal	Vasanth kumar, G, BSA 07 476
15.	Silver Jubilee Award	Kanchan Mishra, BSA 07 - 434
16.	M. A. Peer Mohamed Nazeer Memorial Award	Kalaiyarasan, G., BSA 07 431
17.	T. Vivekanandan Memorial	Madhu Mishra, BSA 07 - 436

Study Tour

Sl. No.	Name of Tour	Period	Places Visited	No. of Students
1.	IJET - Industrial and Institutional Study Tour	26 Days	Bangalore Hyderabad New Delhi Durgapur Dehradun Simla Solon Kufri Chandigarh Ludhiyana Karnal	76
2.	Forest Extension Centre	1 day	Pennakudi	88
3.	Soil Testing and Fertilizer Testing Laboratories	1 day	Kovilpatti	81
4.	Southern Petrochemical Industries	1 day	Thoothukudi	81
5.	Agri Research Station	1 day	Kovilpatti	87
6.	Flower Research Station	1 day	Thovalai	81
7.	State Horticulture Farm	1 day	Courtallam	76

Campus Interviews and Placement

Sl. No.	Name of the Agency	No. of Students
1.	Dharani Sugars and Empee Sugars	6
2.	Indian Bank	3
3.	Canara Bank – Rural Development Officer	6
4.	ING Vysia Bank – Rural Development Officer	2
5.	Baroda Bank – Rural Development Officer	1
6.	Karur Vysia Bank – Rural Development Officer	4
7.	Indian Bank - Rural Development Officer	8

Successful Candidates in ICAR - JRF Competitive examination

Sl. No.	Subject	Fellowship	Placement	Total
1.	Agri. Entomology	-	2	2

Sports / Games and Prize Winners

Sl. No.	Name of the Medal	Organiser	Place and Date	Winners	Rank
1.	Men 100 m Run	Tamil Nadu Sports Development Authority, Thoothukudi Dt.	AC&RI, Killikulam 20.12.2011	Suresh, R.	I
				Manivannan, A.	II
2.	Men 400 m Run			Manivannan, A.	I
				Suresh, R.	II
3.	Men Long Jump			Prabakaran, G.	I
				Suresh, R.	II
				Vinoth, K.	III
4.	Men Shot put			Saravana kumar, V.	I
				Suresh, R.	II
				Vinoth, K.	III
5.	Discus throw	Tamil Nadu Sports Development Authority, Thoothukudi Dt.	AC&RI, Killikulam 20.12.2011	Saravana kumar, V.	II
				Suresh, R.	III
6.	Women 100 m Run			Bharatheswari, M.	I
				Shanthi, I	II
				Anitha, S.	III

7.	Women 400 m Run	Tamil Nadu Sports Development Authority, Thoothukudi Dt.	AC&RI, Killikulam 20.12.2011	Bharatheswari, M.	I
				Shanthi, I	II
				Karthika Devi, D.	III
8.	Women Long jump			Bharatheswari, M.	I
				Karthika Devi, D.	II
				Anitha, S.	III
9.	Women Shot put	Shiny, M.	II		
		Aswathi, R.	III		
10.	Women Discus Throw	Shiny, M.	I		
		Rajeswari, P.	II		
		Abirami, J.	III		
11.	Volley Ball	Men Team	II		
12.	Volley Ball	Women Team	I		
13.	Men 400 m hurdles	TNAU	APAC, Kalavai 31.01.12 – 04.02.12	Manivannan, A.	III
14.	Men 400 m Run			Manivannan, A.	II
				Suresh, R.	III
15.	Women 100 m hurdles			Gayathri, S.	II
16.	Women 400 m hurdles			Gayathri, S.	III
17.	Women 800 m Run			Vaitheeswari, T.	III
18.	Women High Jump			Karthika Devi, D.	II
19.	Kabadi			Men Team	II

Students' functions

Sl. No.	Date	Name of the Function
1.	26.04.2011	Hostel day
2.	13.07.2011	Free Eye camp for staff and labours by NSS
3.	25.08.2011	Orientation day for freshers Tree planting programme by freshers
4.	16.12.2011	Students club inauguration
5.	27.12.2011	Free Eye camp for students by NSS
6.	11.01.2012 & 12.01.2012	Muthamizh vizha
7.	24.02.2012	Blood donation Programme
8.	01.03.2012	27 th Annual Sports Meet
9.	02.03.2012	Red Ribbon Club inauguration
10.	07.03.2012 – 09.03.2012	Acofun 2012
11.	12.03.2012	27 th College and Club day

4. Anbil Dharmalingam Agricultural College and Research Institute, Trichy

Students Admission (Degree wise)

Sl. No	Degree	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B. Sc.(Ag.)	24	49	73	-	-	-	24	49	73

Students Admission (Quota wise)

Sl. No	Category	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	-	-	-	-	-	-
2.	BC	7	25	32	-	-	-	7	25	32
3.	MBC	12	8	20	-	-	-	12	8	20
4.	ST	-	1	1	-	-	-	-	1	1
5.	SC	3	9	12	-	-	-	3	9	12
6.	ICAR	2	6	8	-	-	-	2	6	8
7.	Others	-	-	-	-	-	-	-	-	-
Total		24	49	73	-	-	-	24	49	73

Students Strength (Year wise)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I Year	24	49	73
2.	II Year	21	59	80
3.	III Year	18	60	78
4.	IV Year	40	41	81
Total		103	209	312

Details of scholarship availed by students

Sl. No.	Particulars	No. of students availed			Scholarship Amount (Rs.)
		General	SC/ST	Total	
1.	Merit scholarship	-	2	2	10,000
2.	BC Free Education scholarship	9	-	9	45,970
3.	KGH Endowment scholarship	3	-	3	18,000
4.	MBC Free Education MBC post metric, BC post metric	21	-	21	96,169
5.	KGH Endowment	4	-	4	23,000
6.	Merit scholarship	-	10	10	50,000
7.	ICAR scholarship	32	-	32	3,20,000

Education related Awards and Prizes won

Sl. No.	Name of the award	Year	Name of the student
1.	Rasi Seeds Prize Highest GPA in Seed Science and Technology courses in B. Sc. (Ag.)	2011 – 12	N. Praga BSA – 08 – 647 OGPA: 9. 10
2.	Salem Gugai Mrs. G. Sampoorammal Medal Highest GPA in Crop Physiology courses in B. Sc. (Ag.)	2011 – 12	Sumayya Pattassery BSA – 08 – 685 OGPA: 9. 15
3.	Dr. V. S. Subramanyan Prize Highest GPA in Agrl. Extension courses in B. Sc. (Ag.)	2011 – 12	A. J. Jackish Paul BSA – 07 – 623 OGPA:9. 50
4.	Dr. C. V. Govindasamy Medal Best student in Plant Pathology who secured the highest OGPA in all Plant Pathology courses in B. Sc. (Ag.)	2011 – 12	Salil Kumar Srivastava BSA – 07 – 659 OGPA: 9. 28
5.	Vadamadurai V. Govindasamy, Western Electronic and Scientific Works, B. V. Velasamy and B. V. Sarojini Velasamy Medal Highest OGPA in all Agricultural Entomology courses in B. Sc. (Ag.)	2011 – 12	R. Saravanan BSA – 07 – 669 OGPA: 8. 88
6.	Ibrahim Mohammed Dokka Mohammed and Kenana Sugar Company Limited, Bell & Company, Tmt. R. Santha Medal and AVR Sundaram Trust Medal Highest OGPA in all Agronomy courses in B. Sc. (Ag.).	2011 – 12	A. J. Jackish Paul BSA – 07 – 623 OGPA: 8. 88
7.	Karaikal Siva R. Gurumurthy Iyer Medal Best student in Social Sciences in B. Sc. (Ag.). The student who secured the highest OGPA in all Agrl. Extension and Agricultural Economics courses.	2011 – 12	Salil Kumar Srivastava BSA – 07 – 659 OGPA: 9. 28
8.	K. Rajukkannu, K. Senthilvel, Meenakshi Ammal and 1995 – 96 batch students Endowment Medal – Best Outgoing student <i>Student who Secured the highest OGPA</i>	2011 – 12	Salil Kumar Srivastava BSA – 07 – 659 OGPA: 9.28
9.	Rajagopalan Padmavathy Medal Men's individual Championship during the Annual Sports Day	2011 – 12	J. Anbarasan BSA – 10 – 603

Study Tour

Sl. No	Nature of Tour	Period	Places Visited	Number of Students
1.	All India Study Tour	03.09.2011 to 16.09.2011	IARI, New Delhi, National Agricultural Science Museum, New Delhi, Remote sensing institute and Forest research college at Dehradun, Rajasthani kings dynasty, Rock gardens and Pinjore, Agra, Mohal gardens.	81
2.	Short Tour	14.07.2011 to 27.07.2011	ARS, Aruppukottai and ARS, Kovilpatti, AC&RI, Madurai & DJ Farms, MRS, Vagari, Jain Farms, Udumalpet, PBS, SBI, CICR – TNAU, CS&WC & TI, HRS, Ooty, UPASI – Coonor & FC&RI – Mettupalayam, AMRC, Food Processing Centre, Principle Meteorological Observatory – TNAU, Sago Industry, Anthiyur & Sheep breeding station, Mechery, Grow more bio tech, Siva flora tech – Hosur, TANFLORA, Precision farming in Dharmapuri areas, RRS, Paiyur, Paiyur Fruits Products (P) Ltd, TCRS, Yethapur and Rasi Seeds (P) farm.	81

Campus Interviews and Placement

Sl. No.	Name of the Agency	No. of students
Banking Sector		
1.	Canara Bank	8
2.	Indian Overseas Bank	7
3.	Indian Bank	5
4.	Bank of India	3
5.	Andhra Bank	1
6.	ICICI Bank	2
7.	HDFC Bank	1
Other Sectors		
8.	Jain Irrigation	2
9.	EID Parry Ltd.,	2
10.	Cadbury India Ltd.,	2
11.	Rajshree Sugars	3
12.	I. T. C.	3
13.	BASF	2
14.	Biosuccess	1
TOTAL		42
Percentage of Placement		100%

Successful Candidates in UPSC Examination

Sl. No.	Details	Successful Candidate	Rank	Degree and Batch
1.	Civil Service	K. Manickam	IRS	B. Sc. (Ag.) / 2011

Sports / Games and Prize Winners

Sl. No.	Name of the Medal	Organizer	Place and Date	Rank
1.	Gold Medal Javelin throw	Adhipara Sakthi Agrl. College, Kalavai.	Kalavai 31.01.2012 to 04.02.2012	I place
2.	Silver Medal Discus throw	Adhipara Sakthi Agrl. College, Kalavai.	Kalavai 31.01.2012 to 04.02.2012	II place
3.	Bronze medal 100 m	Adhipara Sakthi Agrl. College, Kalavai.	Kalavai 31.01.2012 to 04.02.2012	III place
4.	Bronze medal Long jump	Adhipara Sakthi Agrl. College, Kalavai.	Kalavai 31.01.2012 to 04.02.2012	III place
5.	Bronze medal 4 x 100 m Relay	Adhipara Sakthi Agrl. College, Kalavai.	Kalavai 31.01.2012 to 04.02.2012	III place

Students' functions

Sl. No.	Date	Name of the Function
1.	17.08.2011	Orientation Day
2.	15.11.2011	Student's Club Inauguration
3.	29.12.2011	New year celebration – 2012
4.	3.01.2012 and 4.01.2012	Kondattam – 2012
5.	12.01.2012	Pongal Celebration – 2012
6.	26.01.2012	Republic Day celebration – 2012
7.	01.03.2012 and 02.03.2012	Muthamizh Vizha – 2012
8.	07.03.2012 and 08.03.2012	Freedom – 2012

5. Horticultural College and Research Institute, Coimbatore

Students Admission – Degree wise

Sl. No.	Name of the course	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B. Tech (Hort.)	-	-	-	9	28	37	9	28	37

Students Admission – Quota wise

Sl. No.	Category	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	-	-	-	-	-	-
2.	BC	-	-	-	2	16	18	2	16	18
3.	MBC	-	-	-	2	4	6	2	4	6
4.	ST	-	-	-	-	-	-	-	-	-
5.	SC	-	-	-	-	6	6	-	6	6
6.	ICAR	-	-	-	-	-	-	-	-	-
7.	Others	-	-	-	4	1	5	4	1	5
8.	BCM	-	-	-	1	1	2	1	1	2
Total		-	-	-	9	28	37	9	28	37

Students Strength – Year wise

Sl. No.	Year	No. of students studying		
		Boys	Girls	Total
1.	I Year (2011)	9	28	37
2.	II Year (2010)	10	21	31
3.	III Year (2009)	7	20	27
4.	IV Yea (2008)	7	22	29
Total		33	91	124

Details of Scholarships availed by students

Sl. No.	Particulars	Year	No. of students availed			Scholarship amount (Rs.)
			General	SC/ST	Total	
1.	SC Scholarship	2011 – 12	-	13	13	2,57,390
2.	MBC Scholarship	2011 – 12	13	-	13	96,722
3.	BC Scholarship	2011 – 12	27	-	27	2,03,528

Study Tour

Sl. No.	Nature of Tour	Period	Places visited	Number of Students
1.	Study tour I B. Tech (Hort.) (2011 Batch)	17. 04.12 to 18. 04.12	Udumalpet and Palani	37
2.	Study tour I B. Tech (Hort.) (2011 Batch)	29.11.11 to 30.11.11	Chennai	37
3.	Study tour II B. Tech (Hort.) (2010 Batch)	08.09.11 to 10.09.11	Thadiyankudisai, Pattiveranpatti & Thandikudi	31
4.	Study tour II B. Tech (Hort.) (2010 Batch)	10. 04.12 to 13. 04.12	Oddanchattram, Palani, Nilakottai, Periyakulam, Kodaikanal, Dindigul, Killikulam, Tuticorin, Kanyakumari, Thovalai	31
5.	Study tour III B. Tech (Hort.) (2009 Batch)	20. 08.11 to 21. 08.11	Kerala	27
6.	Study tour III B. Tech (Hort.) (2009 Batch)	29. 02.12 to 03. 03.12	Rajmundhry	27
7.	Study tour IV B. Tech (Hort.) (2008 Batch)	28. 09.11 to 04. 10.11	Kerala	27

Sports / Games / Extra – curricular and Prize Winners

Sl. No.	Name of the competition	Organizer	Student	Rank
1.	Poster presentation	Animal rescuers in collaboration with SACON – CBE,WWF – India	N. Kowshika, II B. Tech(Hort.)	I Prize
2.	Elocution contest	State Dept. of Forest	M. Saminathan II B. Tech(Hort.)	II Prize
3.	Elocution contest	Sri Ramakrishna Mission Vidhyalaya,Coimbatore	M. Saminathan II B. Tech(Hort.)	II Prize
4.	Poster presentation	ECO FEST 2011 AEC & RI,CBE	M. Govarthanam III B. Tech(Hort.)	III Prize

Student's functions

Sl. No.	Date	Name of the function
1.	18.11.11 & 19.11.11	Sangamithra
2.	20.03.12	Sports Day
3.	22.03.12	Hostel day
4.	02.04.12	Students club valedictory & Farewell for outgoing students

6. Horticultural College and Research Institute, Periyakulam

Students Admission – Degree wise

Sl. No.	Degree	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B. Sc., (Hort.)	26	43	69	2	1	3	28	44	72

Students Admission – Quota wise

Sl. No.	Category	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	-	-	-	-	-	-
2.	BC	17	17	34	2	-	2	19	17	36
3.	MBC	3	13	16	-	-	-	3	13	16
4.	ST	1	-	1	-	-	-	1	-	1
5.	SC	3	9	12	-	-	-	3	9	12
6.	ICAR Quota	-	2	2	-	-	-	-	2	2
7.	OC	2	2	4	-	1	1	2	3	5
	Total	26	43	69	2	1	3	28	44	72

Students Strength Year wise

Sl. No.	Year	Students strength		
		Boys	Girls	Total
1.	I B. Sc., (Hort.)	28	44	72
2.	II B. Sc., (Hort.)	24	50	74
3.	III B. Sc., (Hort.)	36	40	76
4.	IV B. Sc., (Hort.)	34	31	65
	Total	122	165	287

Details of scholarship availed by students

Sl. No.	Scholarship details	Number of students availed	Scholarship Amount per year (Rs.)
1.	Prize money award to SC/ST students	-	-
2.	Special higher education scholarship to SC/ST students	46	3,22,000
3.	GOI Post metric / Free Education scholarship to BC/MBC/DNC students	60	9,97,700
4.	Free Education scholarship to SC/ST students	138	6,81,584
5.	ICAR National Talent scholarship	15	1,50,000
6.	Chief minister award to SC/ST	2	3,000
	Total	261	2,54,303

Education related Awards and prizes

Sl. No.	Name of the Award	Year	Name of the student
1.	Jaideep Kumar Janardhanan memorial Award for best student in entomology courses	2011 – 12	A. Pavviya BSH – 07 – 024
2.	Best B.Sc. (Hort.) student	2011 – 12	A. Pavviya BSH – 07 – 024

Study Tour

Sl. No.	Nature of tour	Period	Place visited	No. of students
1.	Field visit to HRS	03.03.2012	Kodaikanal	74
2.	To visit Dry Flower Industry	15.03.2012	Thoothukudi	76
3.	To visit Hill Vegetables and Flower Gardens	06.04.2012	Kodaikanal	74
4.	Rural Survey	07.04.2012	Murugamalai Nagar	76
5.	To visit livestock and poultry production	27.04.2011	VC&RI, Namakkal	72
6.	Internship in plantation crops	11.09.2011 to 17. 09.2011	Coonoor and Yercaud	76
7.	All India Tour	18.09.2011 to 08.10.2011	Banglore, Mysore, New Delhi, Jaipur, Agra, Simla, Solan, Dehradun	65
8.	Internship in sub tropical and temperate crops	10.07.2011 – 17.07.2011	Thadiyankudisai and Kodaikanal areas	76
9.	Short tour	18.08.2011 to 25.08.2011	Coimbatore, Mettupalayam, Salem, Dharmapuri, Hosur, Trichy, Madurai, Thirunelveli, Nagarkovil	65
10.	RHWE	09.06.2011 to 08.07.2011	Various villages	65
11.	Industrial tie - up	29.08.2011 to 14.09.2011	Various locations	65

Campus Interview and Placement

Rajasekar, II M. Sc. (Hort.)	Kothari fertilizers
R. Balasubramanian	Bank of India
P. Iswarya	Madras Fertilizers limited, Chennai
Faizal ahmed Palanisamy Paraniveeran R. Mouliswaran	BASF Pvt. Limited, Dindigul
B. Dhanraj A. Suresh U. Karthick Kumar K. Prakash R. Manjunathan P. Arun M. Saran M. Vijayarajan R. Logesh	Sathyam Bio (P) Ltd.,
M. Dilli Babu M. Gowtham Srinivasan	Indian Bank
R. Mowlishwaran. Sanjeevi ram kumar U. Karthik kumar	International Agricultural Processing limited, Nilakottai.
S. Sankar	Pleasant Flora, Kodaikanal
Karhi Karthikumar	ATMA, Government of Tamil Nadu.

Sports and Games and Prize Winners 2011 – 12

Games	Men	Women	Venue
Badminton	Runners	-	Adhiparasakthi Agricultural and Horticultural College, Kalavai, 03. 02. 2012
Basketball	Runners	Runners	
Chess	Runners	Runners	

Track and Field Events	Place	Name
400 m	First	V. Palanisamy
800 m	First	V. Palanisamy
1500 m	First	V. Palanisamy
Long Jump	First	M. Seeman
High jump	First	S. Pandiyarajan
High jump	Second	B. Lokesh
100 m	Second	V. Guhan
5000 m	Second	M. Thirupathi
200 m	Third	V. Guhan
1500 m	Third	P. Balakrishnan
Triple jump	Third	V. Palanisamy
Discus	Third	Manish Sharma
4 X 100 m Relay	Second	P. Arun V. Ghuan Seeman K. Daraniveeran
Triple Jump	First	P. Sasikala
1500 m	Second	M. Theivanai
Long Jump	Third	P. Sasikala
Individual Championship		V. Palanisamy
Athletics Over All Championship (Men)		

Players selected for the 13th All India Inter Agricultural Universities tournaments

Venue: Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola (Maharashtra).

Date: 16.02.2012 to 19.02.2012.

4 x 100 m. Relay	Gold medal - V. Palanisamy & V. Guhan.
400 m.	Silver medal - V. Palanisamy
1500 m.	Bronze medal - V. Palanisamy
Volleyball	Gold medal - Kuldeep & Manish sharma
Volleyball	Quarter finals - S. Jayaprabha and P. Banumathi
Basketball	Quarter finals - Manish Sharma and S. Pandiarajan
Khabadi	P. Balakrishnan

Meritorious Certificate for the Best Sports Persons

Games	Men	Women
Athletics	V. Palanisamy	P. Saraniya
Volley ball	M. Anbukkarasan	
Volley ball	Kuldeep	
Basket ball	Manish Sharma	Hemamalini
Basket ball		Suganthi
Football	Baraniveeran	

Students' functions

Sl. No.	Date	Name of the function
1.	03.08.11	Orientation Day
2.	02.12.11	Club inauguration
3.	09.01.12 & 10.01.12	Muthamizh vizha
4.	20.01.12	District level competition
5.	06.01.12 & 07.01.12	Talentia
6.	22.02.12	Gerancia
7.	02.03.12	Club day
8.	04.04.12	Enthusia

7. Horticultural College and Research Institute for Women, Trichy

Students Admission (Degree wise)

Sl. No.	Degree	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B.Sc. (Hort.)	-	37	-	-	-	-	-	-	37

Students Admission (Quota wise)

Sl. No.	Category	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	-	-	-	-	-	-
2.	BC	-	19	19	-	-	-	-	-	19
3.	BC(M)	-	1	1	-	-	-	-	-	1
4.	MBC	-	9	9	-	-	-	-	-	9
5.	ST	-	1	1	-	-	-	-	-	1
6.	SC	-	7	7	-	-	-	-	-	7
7.	ICAR	-	-	-	-	-	-	-	-	-
8.	Others	-	-	-	-	-	-	-	-	-
Total			37	37						37

Students Strength (Year wise)

Sl. No.	Year	Boys	Girls	Total
1.	I Year	-	37	37
Total		-	37	37

Details of scholarships availed by students

Sl. No.	Particulars	Year	No. of students availed			Scholarship amount
			General	SC/ST	Total	(Rs.)
1.	2011 - 12 batch	I	21	6	27	1,92,477

Students' functions

Sl. No.	Date	Name of the Function
1.	18.07.11	Orientation day programme for the Fresher's

8. Agricultural Engineering College and Research Institute, Coimbatore

Students Admission (Degree wise)

Sl. No.	Degree	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B.Tech. (FPE)	-	-	-	18	36	54	18	36	54
2.	B.Tech. (EEE)	-	-	-	23	28	51	23	28	51

Students Admission (Quota wise)

Sl. No.	Category	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	3	5	8	3	5	8
2.	BC	-	-	-	20	40	60	20	40	60
3.	MBC	-	-	-	13	8	21	13	8	21
4.	ST	-	-	-	1	0	1	1	0	1
5.	SC	-	-	-	4	11	15	4	11	15
6.	Others	-	-	-	41	64	105	41	64	105

Students Strength (Year wise)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I Year	41	64	105
2.	II Year	23	42	65
3.	III Year	28	46	74
4.	IV Year	27	32	59
Total		119	184	303

Details of Scholarship availed by the students

Sl. No.	Particulars	No. of students availed	Scholarship Amount (Rs.)
1.	BC /MBC Scholarship	72	4,69,925
2.	SC Scholarship	18	3,38,510
3.	ST Scholarship	1	18,480
4.	SC Chief Minister Award	2	3,000
5.	Central Government Education Scholarship	1	10,000
	Total	94	8,39,915

Education related Awards and Prizes won

Sl. No.	Name of the award	Name of the student
1.	International Climate Champion	Harshita Mehta
2.	United Nations Environment Programme	Archana Jayaraman

Study Tour

B.Tech (Food Process Engineering)

Sl. No.	Nature of Tour	Period	Places Visited	No. of students
1.	Rural Agro Industrial Programme tour	18.11.2011 to 27.11.2011 for 10 days	Ooty & Bhavanisagar	32
2.	All India study tour	23.02.2012 to 10.03.2012 for 15 days	Goa, Mumbai, Agra, Jaipur, Haridwar, Dehradun, Mussoorie, Amritsar and New Delhi	32

B.Tech (Energy and Environmental Engineering)

Sl. No.	Nature of Tour	Period	Places Visited	No. of students
1.	All India study tour	23.02.2012 to 10.03.2012 for 15 days	Goa, Mumbai, Agra, Jaipur, Haridwar, Dehradun, Mussoorie, Amritsar and New Delhi	27
2.	Rural Energy and environmental exposure	17.11.2011 to 26.11.2011 for 10 days	Ooty & Bhavanisagar	27

Campus Interviews and Placement

B.Tech. (EEE) Placement	12
B.Tech. (EEE) Higher studies	13
B.Tech. (FPE) Placement	11
B.Tech. (FPE) Higher studies	15

Sports / Games and Prize Winners

Sl. No.	Name of the Medal	Organizer	Date	Winners Name	Rank
1.	200 m Relay 4 x 100 m 100 m	13 th All India Inter Agri Akola, Maharashtra	16.02.2012 to 19.02.2012	B. Manojkumar	I II III
2.	Participation	13 th All India Inter Agri Akola, Maharashtra	16.02.2012 to 19.02.2012	R. Jaya Prasad R. Gowtham	- -
3.	100 m 200 m 4x100 m Relay	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	B. Manojkumar	I I I
4.	4x100 m Relay	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	S. Prince Manova	I
5.	Hockey	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	R. Gowham	I
6.	Basket Ball	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	P. Dhilip	I
7.	Basket Ball	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	R. Jaya Prasad	I
8.	Volley Ball	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	K. Dinesh Kumar	I
9.	Volley Ball	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	M. K. Anbarasan	I
10.	Ball Badminton	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	S. Pandiselvam	I
11.	Ball Badminton	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	K. Shabari	I
12.	Basket Ball	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	V. Harshavardhini	I
13.	Basket Ball	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	T. Priyadharshini	I
14.	Ball Badminton	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	M. Vidhya	I
15.	Volley Ball	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	A. Mythili Amirdhavalli	I
16.	Foot Ball	ICT – Athiparasakthi Agrl.College, Kalavai	31.01.2012 to 04.02.2012	B. Manojkumar S. Prince Manova P. Magesh Sabarishwaran Jimmy Benny Jacob	II

All India Inter Agri - ICAR Sports Athletic Events (2011 - 2012)

AKOLA – Maharashtra

Sl. No.	Name	Event	Place	College
1.	B. Manojkumar	200 m	I Place	TNAU, Coimbatore
2.	B. Manojkumar	Relay – 4 x 100 m	I Place	TNAU, Coimbatore
3.	B. Manojkumar	100 m	III Place	TNAU, Coimbatore

Students' functions

Sl. No.	Date	Name of the Function
1.	27.07.2011	Ecofest' 2011
2.	14.10.2011	Food explore' 2011

9. Agricultural Engineering College and Research Institute, Kumulur

Students Admission (Degree wise)

Sl. No.	Degree	General			Industrial Sponsorship			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B. Tech. (Agrl. Engg.)	18	31	49	3	-	3	21	31	52

Students Admission (Quota wise)

Sl. No.	Category	General			Industrial Sponsorship			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	2	2	3	-	3	3	2	5
2.	BC	8	13	21	-	-	-	8	13	21
3.	MBC/DNC	6	7	13	-	-	-	6	7	13
4.	ST	1	-	1	-	-	-	1	-	1
5.	SC	2	9	11	-	-	-	2	9	11
6.	ICAR	1	-	1	-	-	-	1	-	1
7.	Others	-	-	-	-	-	-	-	-	-
	Total	18	31	49	3	-	3	21	31	52

Students Strength (Year wise)

Sl. No.	Year	Number of Students		
		Boys	Girls	Total
1.	I Year	21	31	52
2.	II Year	25	24	49
3.	III Year	26	29	55
4.	IV Year	28	22	50
	Total	100	106	206

Details of scholarships availed by students

Sl. No.	Particulars	Year	No. of students availed	Scholarship amount	
1.	BC	I	16	109330	
		II	15	99100	
		III	15	122340	
		IV	10	36400	

					367170
	MBC	I	9	62930	
		II	7	52590	
		III	14	122400	
		IV	14	61320	

					299240
DNC Scholarship	I	-	0		
	II	1	8630		
	III	1	11800		
	IV	-	0		

				20430	
2.	SC/ST	I	9	133650	
		II	11	198770	
		III	9	159480	
		IV	11	180580	

				672480	
3.	SC Higher Education Special Scholarship	I	3	21000	
		II	8	56000	
		III	9	63000	
		IV	6	42000	

				182000	
4.	National Talent Scholarship	I	1	10000	
		II	-	-	
		III	4	40000	
		IV	5	50000	

				100000	
5.	Periyar Endowment Award	I	1	5000	
6.	Chief Minister Award	I	2	6000	

Successful candidates in ICAR - JRF competitive examination

Sl. No.	Subject	Number of students		
		Fellowship	Placement	Total
1	B. Tech. (Agrl. Engg.)	1	-	1

Education related Awards and Prizes won

Sl. No.	Name of the award	Name of the student
1.	Tamil Nadu State Science Technology awarded Rs. 5000/- for the project "Development of self propelled Low Land Rice Seeder"	M. Aarthi M. Jayalalitha G. Manikandan V. Manikandan S. Mythili priyanga
2.	Poster presentation on "Development of self propelled Low Land Rice Seeder" conducted by Tamil Nadu State council for Science and Technology Student project scheme seminar cum Exhibition organized by Kamaraj College of Engineering and Technology at Virudhunagar	V. Manikandan

Study Tour

Sl. No.	Nature of Tour	Period	Places Visited	Number of Students
1.	All India Study Tour	01.03.2012 to 14.03.2012	1. VST Tillers, Bangalore 2. John Deere & IITM, Pune 3. CIAE, Bhopal & Eicher Tractor 4. Agra 5. Jaipur 6. Haridwar 7. IIRS & FRI, Dehradun 8. PAU, Ludhiana, 9. IARI, New Delhi 10. SSP Food & Dairy Plant, NewDelhi	50

Campus Interviews and Placement

Sl. No.	Name of the Agency	Number of Students
1.	Mahindra & Mahindra Tractors	3
2.	TAFE Ltd	6
3.	Texmo Pumps	2
4.	Reliance Ltd	1
5.	Hand in Hand (NGO)	2
6.	DHAN Foundation	4
7.	Irrigation companies	4

Sports / Games and Prize Winners

Sl. No	Name of the Medal	Organizer	Place and Date	Winners	Rank
1.	TNAU ICT 2012	Athiparasakthi Agrl. College	Kalavai 31.01.12 to 04.02.12	Ball Badminton & Chess (Men)	I
2.	TNAU ICT 2012	Athiparasakthi Agrl. College	Kalavai 31.01.12 to 04.02.12	Javelin & Long jump	II

Students' functions

Sl. No.	Date	Name of the Function
1.	01.08.2011	Freshers day
2.	09.09.2011	Club inauguration day
3.	25.02.2012	Annual sports day
4.	20.03.2012	Hostel day
5.	22.03.2012	College day & Club day
6.	04.04.2012	Farewell function to 2007 - 2008 batch
7.	29.03.2012	Students symposium ETAE - 2012 - Emerging Technologies in Agricultural Engineering.

10. Forest College and Research Institute, Mettupalayam

Students Admission – Degree wise

Sl. No.	Degree	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B.Sc. (Forestry)	38	13	51	-	-	-	38	13	51

Students Admission – Quota wise

Sl. No.	Degree	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	1	-	1	-	-	-	1	-	1
2.	BC	17	8	25	-	-	-	17	8	25
3.	MBC	15	-	15	-	-	-	15	-	15
4.	ST	-	-	-	-	-	-	-	-	-
5.	SC	5	2	7	-	-	-	5	2	7
6.	ICAR	-	2	2	-	-	-	-	2	2
7.	Others	-	1	1	-	-	-	-	1	1
	Total	38	13	51	-	-	-	38	13	51

Students Strength - Year wise

Sl. No.	Year	Total number of students		
		Boys	Girls	Total
1.	I B. Sc. (Forestry)	38	13	51
2.	II B. Sc. (Forestry)	21	14	35
3.	III B. Sc. (Forestry)	21	6	27
4.	IV B. Sc. (Forestry)	23	6	29
	Total	103	39	142

Details of scholarships availed by the students

Sl. No.	Particulars	No. of Students availed	Scholarship amount (Rs.)
1.	BC Scholarship	12	76,400
2.	MBC Scholarship	15	1,28,463
3.	SC Scholarship	14	99,840
4.	ICAR	5	50,000
	Total		3,54,703

Study Tour

Sl. No.	Nature of tour	Period	Places visited	No. of students
1.	South India Tour	14.08.2012 to 28.08.2012	Rameswaram, Trivandrum, Bandipur, KFRI, IWST, Bio Trim - Tirupathi	29
2.	North India Tour	29.09.2012 to 10.10.2012	IARI New Delhi, FRI Dehradun, Agra, Shimla, Mussorie, Solan	29

Successful candidates in UPSC Examination

Sl. No.	Details	Name of the Successful candidates	National ranking	B. Sc (Forestry) Degree batch
1.	I. F. S	M. M. Vaanathi	4	2006 - 10
2.	I. F. S	Vanjulavalli Sridhar	17	2006 - 10
3.	I. F. S	C. Vidhya	26	2006 - 10
4.	I. F. S	C. Selvam	34	2003 - 07
5.	I. F. S	S. Narendra Babu	47	2006 - 10
6.	I. F. S	Kalyan Rai	43	2003 - 05
7.	I. F. S	M. Murali Shankar	56	2005 - 09
8.	I. F. S	N. Gurunathan	63	2000 - 04

Sports / Games and Prize winners

Sl. No.	Organizer	Place and Date	Winners	Rank
1.	Sports Development Authority, Tamil Nadu, Coimbatore District Sports council	Coimbatore 11.11.11 and 12.11.11	Block level Basket ball (Men)	Winner up
			Foot ball (Men)	Runner up
			Athletic long jump (A. R. Manjuhasini)	1 st Place
			Athletic Triple jump (K. Deepa)	3 rd Place
2.	District level open tournament	Karamadai 12.02.2012	Vollyball (men)	Runner - up trophy & Cash award

3.	ICT, TNAU	ADAC, Kalavai 31.01.2012 to 04.02.2012	Cricket (men)	Runner up
			Foot ball (Men)	Winner up
			100 m and 200 m athletics	1 st place
			100 m hurdles	1 st place
			20 km walk R. Deepak III year	1 st place
4.	All India Inter Agri	Akola University, Maharatra 15 th to 20 th Feb'12	Long jump	1 st place
			100 and 200 m sprint and 4 x 100 m relay	2 nd place
			Volley ball (Men)	1 st place

Students' functions

Sl. No.	Date	Name of the function
1.	14.12.2011	Club Inauguration
2.	27.03.2012 & 28.03.2012	Muthamizh vizha
3.	04.04.2012	Club day, Sports day and Hostel day
4.	22.02.2012	Field Day and demonstration of Techniques on Camera Trap
5.	02.03.2012	Awareness programme and demonstration on Facts and Fables on Snakes

11. Home Science College and Research Institute, Madurai

Students Admission - Degree wise

Sl. No.	Degree	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B.Sc. (Home Science)	3	24	27	-	-	-	3	24	27
2.	M.Sc. (Food Science and Nutrition)	1	5	6	-	-	-	1	5	6
3.	Ph.D (Food Science and Nutrition)	2	2	4	-	-	-	2	2	4

Students Admission - Quota wise

Sl. No.	B. Sc. (HSC)	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	-	-	-	-	-	-
2.	BC	1	14	15	-	-	-	1	14	15
3.	MBC	2	3	5	-	-	-	2	3	5
4.	ST	-	-	-	-	-	-	-	-	-
5.	SC	-	6	6	-	-	-	-	6	6
6.	ICAR	-	-	-	-	-	-	-	-	-
7.	BCM	-	1	1	-	-	-	-	1	1
Total		3	24	27	-	-	-	3	24	27

Sl. No.	M. Sc. (FSN)	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	-	-	-	-	-	-
2.	BC		3	3	-	-	-	-	3	3
3.	MBC									
4.	ST									
5.	SC	1	2	3	-	-	-	1	2	3
6.	ICAR	-	-	-	-	-	-	-	-	-
7.	BCM	-	-	-	-	-	-	-	-	-
Total		1	5	6	-	-	-	1	5	6

Sl. No.	Ph. D (FSN)	General			Self supporting			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	-	-	-	-	-	-
2.	BC	2	2	4	-	-	-	2	2	4
3.	MBC	-	-	-	-	-	-	-	-	-
4.	ST	-	-	-	-	-	-	-	-	-
5.	SC	-	-	-	-	-	-	-	-	-
6.	ICAR	-	-	-	-	-	-	-	-	-
7.	BCM	-	-	-	-	-	-	-	-	-
Total		2	2	4	-	-	-	2	2	4

Students Strength (Year wise)

B. Sc. (Home Science)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I Year	3	24	27
2.	II Year	2	18	20
3.	III Year	13	20	33
4.	IV Year	10	10	20
Total		28	72	100

M. Sc (Food Science and Nutrition)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I Year	1	5	6
2.	II Year	-	6	6
Total		1	11	12

Ph. D (Food Science and Nutrition)

Sl. No.	Year	Number of students		
		Boys	Girls	Total
1.	I Year	2	2	4
2.	II Year	1	6	7
3.	III Year	2	3	5
Total		5	11	16

Details of scholarships availed by students (2011 - 2012)

Sl. No.	Particulars	No. of students availed	Scholarship amount (Rs.)
1.	SC – Higher Education Special Scholarship	23	161000
2.	SC Scholarship (Renewal)	25	397760
3.	BC Scholarship (Renewal)	10	34436
4.	BC Scholarship (Fresh)	8	29784
5.	BC First Graduate (Renewal) Scholarship	7	53970
6.	MBC First Graduate (Renewal) Scholarship	3	25290
7.	MBC (Renewal) Scholarship	2	9266
8.	SC - Higher Education Special Scholarship (Fresh)	7	49000
9.	SC Scholarship (Fresh)	8	114290
10.	MBC (Fresh) Scholarship	1	4443
11.	MBC (Free Education) (Renewal) Scholarship	5	54110
12.	BC (Free Education) (Renewal) Scholarship	16	174320
13.	BC (First Graduate) (Fresh) Scholarship	3	22980
14.	MBC (First Graduate) (Fresh) Scholarship	2	16760
Total		120	11,47,409

Education related awards and prizes won

Sl. No.	Name of the award	Name of the student
1.	Thiru. P. A. C. Ramasamy Raja prize for highest OGPA in all subjects	R. Nivedha
2.	The student of Home Science College (Madurai) Award for highest OGPA in all subjects	R. Nivedha
3.	Shri. V. Gopaldaswamy Nadar and family Award (FSN) for highest mark in Food Science and Nutrition courses.	T. Vasantha
4.	Dr. V. Veeranan Arun Giridhari and Mr. T. Sudhagar prize for Best Home Science Student	R. Nivedha

Study Tour

Sl. No.	Nature of tour	Period	Places visited	Number of students
1.	All India Study Tour	10.08.11 to 08.09.11 (for 28 days)	SAU's, ICMR, CFTRI and ICAR institutes at Mysore, Bangalore, Hyderabad, Delhi, Solan and Chennai	20

Campus Interviews and Placement

- Ten undergraduate students have been selected and placed as Training Assistant in KVKs
- As a mark of excellence in education, our students have cleared TNPSC examination as Child Development Project Officers. Eight students have been selected as CDPOs.
- All the students who have completed M. Sc. / Ph. D have been placed as Senior Research Fellow in different KVKs and as lecturers in private colleges.
- S. K. Mathangi (II Ph. D Scholar) has been selected as Assistant Professor in the Dairy Technology Institute, TANVAS, Chennai.

Sports / Games and Prize Winners

Sl. No.	Name of the Medal / Game & Sports	Organizer	Place & Date	Ranks
1.	Hockey, Table Tennis (Men)	TNAU, Inter Collegiate Tournament, 2011 - 2012, TNAU, Coimbatore	AC & RI, Madurai 07. 12. 2011 to 09. 12. 2011	Runner
2.	Ball Badminton (Men)	TNAU - ICT - 2011 - 2012, APAC, Kalvai	APAC, Kalavai 31.01.2012 to 04.02.2012	Runner
3.	Chess (Women)	TNAU - ICT - 2011 - 2012, APAC, Kalavai	APAC, Kalavai 31.01.2012 to 04.02.2012	Winner
4.	Ball Badminton & Kho - Kho (Women)	TNAU - ICT - 2011 - 2012, APAC, Kalavai	APAC, Kalavai 31.01.2012 to 04.02.2012	Runner
5.	Games Overall Championship (Women)	TNAU - ICT - 2011 - 2012, APAC, Kalavai	APAC, Kalavai 31.01.2012 to 04.02.2012	Second

Sl. No.	Name of the Medal/ Game & Sports	Organizer	Place & Date	Winners	Ranks
6.	100 m Run	ICT - 2012, APAC, Kalavai	APAC, Kalavai	M. Jeyavelan	Third
7.	200 m Run	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	M. Jeyavelan	Second
8.	800 m Run	ICT - 2012, APAC, Kalavai	APAC, Kalavai	S. Poovarasan	Second
9.	1500 m Run	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	S. Poovarasan	Second
10.	5000 m Run	ICT - 2012, APAC, Kalavai	APAC, Kalavai	S. Poovarasan	First
11.	110 m Hurdles	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	M. Jeyavelan	First
12.	Triple Jump (Men)	ICT - 2012, APAC, Kalavai	APAC, Kalavai	D. Karthik	Second
13.	4x100 m Relay (Men)	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	AC & RI, Maduai	Second
14.	4x400 m Relay (Men)	ICT - 2012, APAC, Kalavai	APAC, Kalavai	AC & RI, Maduai	Second
15.	800 m Run (Women)	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	A. Sowbakkiyam	Second
16.	1500 m Run (Women)	ICT - 2012, APAC, Kalavai	APAC, Kalavai	A. Sowbakkiyam	First
17.	3000 m Run	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	A. Sowbakkiyam	First
18.	400 m Hurdles	ICT - 2012, APAC, Kalavai	APAC, Kalavai	P. Deepika Devi	Second
19.	High Jump	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	P. Vanaja	First
20.	Triple Jump	ICT - 2012, APAC, Kalavai	APAC, Kalavai	P. Deepika Devi	Third
21.	Javelin	ICT - 2012, APAC, Kalavai	31.01.2012 to 04.02.2012	P. Vanaja	Second
22.	4x400 m Relay	ICT - 2012, APAC, Kalavai	APAC, Kalavai	AC & RI, Maduai	Third

Four students of our college participated in All India Inter Agricultural University tournament held at Dr. Panjabaro Desmugh Vidyapeeth, Akola (Maharashtra), from 16.02.2012 to 19.02.2012.

Sl. No.	Name of the Student	Year	Event
1.	S. Sri Ram	IV B. Sc. Agriculture	Athletic
2.	S. Hariprasath	III B. Sc. Agriculture	Basketball
3.	D. Karthik	II B. Sc. Agriculture	Volleyball
4.	K. Karthikeyani	I B. Sc. Agriculture	Volleyball

Students' functions

Sl. No.	Date	Name of the Function
1.	03.08.2011	Students club inauguration
2.	16.08.2011	Orientation Programme
3.	29.12.2011	Thullal
4.	06.01.2012 & 07.01.2012	Talentia - 2012
5.	11.02.2012 & 12.02.2012	Trekking to hills (Trekking society)
6.	02.03.2012	Agri Harvest - 2012
7.	09.03.2012 & 10.03.2012	Muthamizh Vizha - 2012

4.3. DIRECTORATE OF STUDENTS WELFARE

The Directorate of Students Welfare has a triple function of placement, guidance and counseling for higher education in India and abroad and career development. All the three functions are effectively carried out with an objective of enabling the graduates to be globally competitive and employable and getting good placement.

Placement

Placement is the major activity of this directorate. The final year students of under graduate and postgraduate programs register their names in this directorate to enable them to attend campus interviews. The placement registration and monitoring is done through RFID (Radio Frequency Identity card) with the validity of 3 years.

Sector wise placement - 2011 - 2012

Sl. No.	Institution	Total No. of persons placed
1.	Agro Industry	213
2.	Seed Industry	78
3.	Food Industry	26
4.	Fertilizer Industry	34
5.	NGO/Govt.	38
6.	Plantation	6
7.	Banking	337
8.	Civil Service and IFS	21
	Total	783

Campus interviews

Campus interviews are conducted regularly at least once in a month or depending on indent received from employers. During 2011 - 12, 49 campus interviews were conducted involving 11 banking sectors, 32 agro – based industries and 11 NGOs, 6 Food Processing Industries, 2 Plantation Industries and recruited 732 candidates, of which 337 candidates have been placed in banking sector alone.

Job fairs

Job fair is an annual event coinciding with the date of completion of the academic programs mostly in March or April every year. This year three job fairs were organized; first job fair exclusively for engineering graduates on 22nd February, 2012 and second and general job fair for all the final year students of TNAU organized on 14th and 15th March, 2012 and third one for diploma in agriculture students on March 27th 2012. In these

three job fairs, totally 27 companies comprising financial institutions, farm machinery sector, irrigation sector, food processing industries, health care industry, agro commodity trading company, sugar industries, agro - based industries, NGOs, and multinational companies like Olam Agro India Limited, Aviagen India, CPS Seeds India and Max Hyper Market participated and recruited 193 candidates.

Industrial visit

Industrial visits are made to attract and invite industries to participate in the campus interviews. Apart from the regular contacts with the industries by postal and e - mail communications, the Director (Students' Welfare) and the Placement Officers have made visits to various multinational Agro – based Industries, Private and Public Sector Banks and Non Governmental Organizations located within and outside the state of Tamil Nadu and appraised the activities of DSW and requested them to participate in campus recruitment.

Overseas employment unit

Overseas Employment Unit (OEU) of DSW is functioning well to pave the way to the agriculture graduates to secure employment in foreign countries. So far 76 candidates have been placed in Middle East (Dubai, Muscat, Kuwait and Madagascar) Malaysia, Mexico and African Countries. This directorate also facilitates and motivates the students periodically by organizing special lectures and interaction meetings inviting experts in order to impress the students to seek overseas employment. This selection process is always made through telephonic interviews and video conferencing and they are facilitated by the directorate.

Higher Education Abroad

The higher education unit of the directorate offers three curriculum - based English courses for undergraduate in Coimbatore apart from Forestry campus of Mettupalayam. The English courses focus on imparting communications skills in particular and soft skills in general for life – situations and job – situations. This directorate provides counseling for higher education not only for domestic but also for abroad to the interested agricultural graduates. The method of counseling includes testing phase, admission phase and visa phase. More than 61 candidates have undergone coaching in the subjects TOEFL, GRE and IELTS and approximately 23 students have gone abroad viz., USA, UK, Australia, Canada, Belgium, Finland, Germany, Taiwan, Thailand, Japan, South Korea and Singapore.

Global network

The higher education unit created a **Green Group** in Yahoo ID in which TNAU alumni who are working or studying abroad, share information on scholarship, fellowship, and assistantship available in countries like USA, Canada, UK, Australia, New Zealand, Singapore, South Africa, South Korea, France, and Germany to help the prospective

students. More than 750 TNAU alumni are the registered members and around 1400 message have been shared in the year 2011 - 2012

Advanced Digital Language Laboratory

Advanced digital language laboratory is a hub where the teacher and students are bridged through a cable networking system for effective learning. It is an innovative method of teaching English with assistance of sophisticated software that facilitates interactive teaching and practical training. The lab is equipped with **Hi - Class net work software** which enables the teacher to facilitate several classroom interactions. The lab carries audio and video systems which add value to the effective learning process. In 2011 - 2012 about 650 under graduate, 400 postgraduate and 250 Ph. D. students have used the laboratory to equip themselves with communication and soft skills.

Career Development Programs

Under **career development** program, Spoken English for career skills for a period of 4 months is being organized with the help of freelance teachers and professors of reputed institutions. Students of TNAU are shaped under this spoken English course to suit the employment market of export oriented companies, corporate sectors and commodity trading. Other important career development courses are civil services coaching class, banking probationary officers coaching class, personality development program, basic computer programming 'C'. Business English Certificate (Vantage) course was offered for the benefit of student community to test their English skills and this certificate is considered as one of the credits for placement in multinational companies. Twenty three students have passed out the BEC (Vantage) course during 2011. This program is offered by British Council and this certificate is issued by Cambridge University.

Career Development Courses

Sl. No.	Career development courses	No. of students benefitted
1.	Business English Certificate	23
2.	IELTS	08
3.	Civil Service	77
4.	GRE	10
5.	TOEFL	05
	Total	123

Career guidance workshop

Career Guidance Workshop 2012 was organized on 08.02.2012 in order to facilitate outgoing undergraduate students to get them prepared for immediate placement or provide opportunity for students to choose their career options. The workshop comprised of motivational talks, soft skill development, higher education abroad, banking sector and agricultural entrepreneurship. Dr. K. Alagusundaram, Director, Indian Institute of Crop Processing Technology (IICPT), Thanjavur, delivered a talk on 'Higher education overseas'. Civil Services – A cake walk for agricultural graduates, was the topic presented by Mr. D. Shankar, Shankar IAS Academy Chennai. Dr. Vimala, Assistant Professor, Department. of Extension, Career Guidance & Students Welfare, Bharathiyar University, Coimbatore spoke on 'How to face interview'. Useful tips on 'Nuances of facing civil service Interview' were given by Mr. V. Balakrishnan, IPS, Superintendent of Police, Tirupur. Entrepreneurship Development – An exciting experience was enlightened by Mr. T. Sethupati, M.Sc. (Ag.), Pollachi.

Dual Degree Program

Directorate of Students' Welfare facilitated six students to get admission in TNAU – NSAC Dual Degree program in Environmental Horticulture at Nova Scotia Agricultural College, Canada in September 2011.

Personality Development workshop

Two - days Workshop on 'Strategies and skills of personality development' was conducted on 21.12.2011 – 22.12.2011 by outsourcing to fluency with an objective of facilitating final year students to communicate with confidence and perform better in Group discussions and Interviews.

Two - days ICAR sponsored Workshop on Personality development: Perspectives and practices was organized on 27th February, 2012. Ms. Zeal - Transforming Lives, Chennai, imparted skills on personality development to the III year and final year Forestry students.

Soft Skill Development Program

The Directorate of Students Welfare organized special classes for imparting soft skills by Group Discussion & Interview to Diploma students of Rice Research Station, Ambasamudram, Horticultural Research Station, Pechipparai, Agricultural Research Station, Kovilpatti and Regional Research Station, Aruppukkotai, from 25th to 29th July, 2011 and Agricultural Research Station, Bhavanisagar, Oil seed Research Station, Tindivanam, from 09th to 10th November, 2011.

The Directorate of Students Welfare organized the following soft skill development events for the benefit of under graduate students.

Sl. No.	Date	Event
1.	16.11.2010	Intercollegiate essay competition on 'Global Warming' Kannur University, Kerala
2.	10.12.2010	Zonal level elocution on Soil plant animal health – safety and security - ICAR event
3.	12 .01.2012 13 .01.2012	International Youth conference ; 'Youth awakening festival 'YUVA', held at G.B. Pant University of Agricultural and Technology, Pant Nagar
4.	14.01.2012 15.01.2012	National debate on Can nation building be shouldered by the present day impulsive youth G.B. Pant University of Agricultural and Technology, Pant Nagar.

Passport Campaign

The students of TNAU have the aspiration of seeking higher education and employment in different countries all over the world. The Directorate of Students Welfare facilitates the students by organizing Passport on - line registration every year.

In 2011 - 2012, passport registration in collaboration with the Regional Passport Office, Coimbatore was organized at the Coimbatore Collector's office for the benefit of students on 03.03.2012 and 10.03.2012. Totally 535 students (275 under graduate and 260 postgraduate students) registered for passport. Among them, 260 students have successfully submitted their application.

4.4. UNIVERSITY LIBRARY

The University library caters the scientific information needs of teachers, students, research scholars, extension personnel and farmers. The Tamil Nadu Agricultural University library holds a unique position University's academic structure as it contribute to the academic excellence and research competence. In 2011 - 2012, the library received a grant of rupees 50 lakhs from Indian Council of Agriculture Research, New Delhi as a special component to procure text books in agriculture and allied sciences. The librarians are offering a compulsory course on Library and Information Services 501 (0 + 1) for the first year postgraduate and Ph. D students. The library is subscribing many online journals and databases and also provides a facility to access the CeRA consortium journals and *krishiprabha* online thesis databases. At present the library is having 1,75,000 books and back volumes and the details are furnished below.

Details of books added

Sl. No.	Particulars	Numbers
1.	Books	3622
2.	Gratis Publications	240
3.	Journals	1207
4.	News Letters	337
5.	Theses/Dissertations	497
6.	Reports	29
7.	Magazines	718
8.	Bound Volume of Periodicals	346
	Total	6996

e - Journals received

Sl. No.	Particulars	Journals
1.	Consortium for e- Resources in Agriculture (CeRA)	2905
2.	Directory of Open Access Journal (DOAJ)	2061
3.	Proquest	6119
	Total	11085

Online databases

Sl. No.	Database
1.	India stat .com
2.	Commodityindia.com
3.	Patentinfos.com
4.	Delnet.nic.in
5.	Krishiprabha doctoral thesis database

Library membership

Sl. No.	Particulars	Members
1.	Under Graduate	1,086
2.	Post Graduate	603
3.	Research Scholars	526
4.	Staff	268
	Total	2483

Usage of library resources

Sl. No.	Particulars	Members
1.	Under Graduate	10,036
2.	Post Graduate & Research Scholars	24,363
3.	Staff	5794
4.	Visitors from other Institutes	1439
5.	CeRA - Journals	69170
6.	Digital Library	4200
	Total	1,15,002

Circulation

Sl. No.	Particulars	Numbers
1.	Books Issued	19,195
2.	Books Returned	19,109
3.	Books Consulted	2,08,160
4.	CeRA – Request articles received and issued to students	2,196
5.	Over Due Charges	Rs.1,02,303
6.	Outside Users Consultation Charges	Rs.8,900

Book bank scheme for SC/ST

Sl. No.	Particulars	Numbers
1.	Books	587
2.	Members	38
3.	Books Issued	126

Collection of the University library

Sl. No.	Particulars	Numbers
1.	Books	1,22,975
2.	Back Volumes	46790
3.	Theses / Dissertations	5985
4.	Reports	238
5.	CD ROM	184

Books purchased under ICAR development grant and distributed to other libraries

Sl. No.	Institutes	Numbers
1.	Directorate of Students Welfare, TNAU, Coimbatore	252
2.	All Research Stations and KVKs	140
3.	Institute of Agriculture, Ambasamudram	35
4.	Rice Research Institute, Aduthurai	68
5.	M.S. Swaminathan Institute of Agriculture, Bhavanisagar	56
6.	C. Subramanian Institute of Agriculture, Thindivanam	78
	Total	629

Activities of library during 2011 - 2012

- During 2011-12, totally, 3622 books and 497 theses were classified; these document details were entered in Autolib Software for library automation.
- Book Exhibition was conducted from 13.12.2011 to 15.12.2011 (3 days) at Techno Park.
- Orientation classes were conducted for under graduate students during 1st week of September 2011.
- Interaction Programme between CeRA - CPI with research scholars and faculty members were organized on 07.07.2011.
- 269 rare books were sent to Acharaya N.G. Ranga Agricultural University (ANGRAU) Library for Digitization purpose under NAIP, e-grant Project.

4.5. DIRECTORATE OF OPEN AND DISTANCE LEARNING

Distance Learning Programmes

The Directorate of Open and Distance Learning, one of the constituent units of the TNAU started during April 2005 is vested with the responsibility of offering distance learning programmes through correspondence mode viz., Certificate Courses, B.F. Tech Degree, Postgraduate Diploma programmes and Postgraduate Degree programmes for the benefit of various segments of the farming community, entrepreneurs, self help groups and other learners who aspire for correspondence education and interested in establishing agro based industries in rural areas. The following courses are offered:

Certificate Courses (16)

- Sugarcane production technology
- Vegetable seed production
- Nursery techniques and propagation of horticultural plants
- Mushroom production
- Preservation of fruits and vegetables
- Wasteland development
- Bee keeping
- Vermi composting
- Repair and maintenance of farm equipments and machineries
- Coconut cultivation technology
- Cotton cultivation technology
- Landscaping and ornamental gardening
- Modern irrigation management
- Bakery and confectionary products
- Medicinal plants
- Flower cultivation

Diploma

Multimedia in Agriculture (1 year – 2 semesters)

UG Degree Programme

B. F. Tech. (Bachelor of Farm Technology) (3 years – 6 semesters)

The Bachelor of Farm Technology (B.F.Tech.) is exclusively being offered for the farmers from 2010 onwards. It is a pioneering attempt and first of its kind in the global agricultural scenario. The B.F.Tech. Degree programme has been structured in such a way, that farmers who enroll should have the privilege of being a degree holder, and also an

expert in scientific agriculture with utmost self-confidence thereby gaining in the society. The eligibility criteria for admission is 10th appeared. Age limit is 27 years and above. The semester fee is Rs. 7,500/-.

PG Diploma Programmes (7)

- Production and quality control in medicinal plants
- Food biotechnology
- Bioinformatics
- Eco-friendly pest management
- Plant quarantine
- Food science and processing
- Energy management

PG Degree Programmes (3)

- Master of Business Administration (MBA)
- M.Sc. Environmental Management
- M.Sc (Sugarcane Technology)

List of candidates enrolled for the year 2011 – 2012

Sl. No.	Course	No. of candidates enrolled
I	PG Degree	
	MBA	38
	M.Sc. (Environmental Management)	9
	M.Sc. (Sugarcane Technology)	19
II	PG Diploma	
	Food Biotechnology	-
	Production and Quality Control in Medicinal Plants	4
	Bioinformatics	-
	Food Science & Processing	14
	Energy Management	19
III	Diploma	
	Multimedia in Agriculture	18
IV	B. F. Tech. Degree	282
V	Certificate Courses	738

Trainings / Meetings / Conferences / Workshops organized

Sl. No.	Training / Seminar / Conference / Workshop	Organized by	Period
1.	A training cum workshop on agroforestry	TNAU and CIDA, Canada	17.08.2011 to 19.08.2011
2.	Training programme on Seed Science	TNAU and CIDA, Canada	21.08.2011
3.	An interactive meeting with the NGO partner institutes in relation to CIDA project operated at DODL	TNAU and CIDA, Canada	29.09.2011
4.	A training programme organized to the farmers with respect to CIDA project	TNAU and CIDA, Canada	04.11.2011
5.	TOT on Seed Technology under CIDA project – Training	AC & RI, Madurai	15.11.2011
6.	Workshop on Real time use of digital technology in agriculture	DODL, TNAU, Coimbatore	12.03.2012 to 13.01.2012
7.	CIDA project interactive meeting on Seed Technology	TNAU and CIDA, Canada	22.02.2013 to 23.02.2012
8.	Training on Seed health in relation to plant quarantine	DODL, TNAU	22.03.2013 to 23.03.2012
9.	Training on seed production technologies	DODL, TNAU at ARS, Bhavanisagar	26.03.2013 to 27.03.2012

Training / Seminars / Meetings / Conferences attended by the Director (Open and Distance Learning)

- Participated in the International Conference on lifelong learning - 2011 at Malaysia Open University, Kuala Lumpur during 14.11.2011 – 15.11.2011.
- The interactive meeting on NAIP project under Component I at IGNOU, New Delhi on 07.11.2011 - 08.11.2011
- Participated in the workshop on TNAU Examination management software during 21.11.2011
- Attended the 12th Five Year plan discussion meeting on 28.11.2011
- Attended the 12th Five Year plan – Regional Consultation Meeting on 29.11.2011
- Attended Youth Conference for 2nd Green Revolution on 29.12.2011 at TNAU, Coimbatore.

- Attended the International symposium on 100 years of Rice Science and looking beyond from 9.01.2012 to 12.01.2012.
- Participated and highlighted the activities of the Directorate in the Mauritius International Knowledge Investment Forum - 2012, on 30.01.2012.

Educational Media Centre

This unit is engaged in production of television programmes for periodically telecasting through Doordarshan Kendra, Chennai. About 60 video CDs on various subjects were produced by this unit for the benefit of farmers and extension functionaries.

4.6. CONTROLLERATE OF EXAMINATIONS

A separate Controllerate of Examinations was formed and started functioning from 1997 to monitor the examination related activities of under graduate degree programmes and diploma courses. This Directorate is vested with the responsibility of monitoring examination related activities viz. getting question papers from other State Agricultural Universities, fixing examination schedule, conducting semester examinations, arranging for evaluation of answer papers, documentation and despatch of mark sheets to the respective Colleges / Institutes.

During 2004 - 2005, external evaluation system for Masters' degree programmes was introduced for final theory examination while for Ph. D programme the same has been introduced during 2006 and is being followed as per the semester system of education.

Reforms made

- Bar coded answer sheets for final examination
- Preparation of mark sheets with security features
- Transcript card with security features
- Students performance analysis
- New software for different programmes
- Creation of Website for the Controller of Examinations
- Refinement of rules and regulations for the under graduate, postgraduate and diploma programmes
- e - Governance in the office of the Controller of Examinations

Launching of TNAU - EMS and e - Governance software

New Examination Management System and e - Governance software were launched in the workshop on Examination Management Software organized by the Controllerate of Examinations on 21.11.2011. Deans and academic coordinators of all the constituent and affiliated colleges, principals of diploma institutions and all the University Officers of TNAU were present on this occasion.

The Tamil Nadu Agricultural University – Examination Management System (TNAU - EMS) is an integrated, secured and web - enabled examination management software installed in the online application server at the Controllerate of Examinations with networking of all constituent and affiliated colleges sharing the 2 MBPS dedicated internet bandwidth. For securing the server over online, one firewall server is installed and configured to tackle the threats through online. The online data transaction to the TNAU - EMS software is secured with 2048 bit Secure Socket Layer (SSL) Certificate. The examination data

processing has been started with 2010 batch students of under graduate, postgraduate, Ph.D, diploma and ODL degrees with this new software. The e - Governance software was developed to automate the transcript card application, tracking of question paper setting, answer script evaluation and also to assign external examiners for the practical examinations.

Salient features of TNAU - EMS

- Online course registration by the students, verification and approval by the Deans / Principals.
- It ensures timely registration, accurate and paperless data transfer to the Controllerate of Examinations, TNAU.
- Uploading of mid - term, final practical marks and attendance through online by the course teachers from the college/institute also leads to accurate and timely transfer of data without using papers.
- Students can access to their examination records including courses registered and results of the completed courses throughout their study period from anywhere and at anytime.
- Students can apply for their Transcript Cards after successfully completing their course.
- TNAU - EMS application server is available online for 24 x 7 for anywhere, anytime access.
- User friendly graphical Interface for easy navigation with select and click option.
- Multi - user environment for simultaneous data entry, updating and printing.
- Error free data management with one time mark entry and verification at all stages.
- 100 per cent secured data transaction with 2048 bit Secure Socket Layer (SSL) Certificate.
- Unique username and password for users with encrypted security.
- Hierarchical controls and privileges to the users based on their responsibilities.
- Course registration through online by the students both for regular and re - appearance courses.
- Online uploading of mid - semester marks, practical marks and attendance by the respective course teachers.
- Online course teacher assignment and approval of the student's course registration by the Deans / Principals.

- Students can access the status of their registered courses and results through online at any time from anywhere.
- Dedicated online server with Firewall connected by 2 MBPS Internet Bandwidth.
- Scalable option for adding campus / programme / degrees through graphical interface.
- Individual profile can be updated by the user only.

e - Governance

- **Transcript cards:** Students can apply for their transcript cards through online and receive the status alerts through SMS.
- **Question paper Setting:** Monitoring and periodical reminders and the status of settlement of remuneration to the question paper setters through SMS.
- **External examiner assignment:** Online approval by the Controller of Examinations from the list of examiners proposed by the Head of the institutions through e-Governance portal.
- **Answer script evaluation:** Monitoring and periodical reminders and the status of settlement of remuneration to the evaluators through SMS.

All the user groups viz., Deans / Principals, course teachers and students will have their unique user id and password through email to access the TNAU - EMS and e - Governance portal **www.coetnau.ac.in**.

The TNAU - EMS and e - Governance packages have been developed not only for the automation of the functionalities but to have the transparency in the system. Overall, both the systems were developed to meet the purpose of automation and also in a way for the paperless documentation, accurate data management and process and mainly to complete the examination data processing within the scheduled time frame.

Undergraduate programmes

During the academic year 2011 - 2012, a total number of 4615 students have registered for the courses in thirteen undergraduate degree programmes covering 1022 courses under Odd and Even semesters. A total of 935 question papers (subject wise) were arranged and semester examinations were conducted during May - July 2011, September 2011, November - December 2011, and February 2012 for regular, re - appearance, special semester and supplementary students under 1999, 2002, 2003, 2007 and 2011 syllabus. A total of 64136 answer scripts were evaluated. The results were declared for a total of 760 students who have successfully completed their course work and issued the transcript cards.

Master degree programmes

In first semester (2011 - 2012), 403 students registered. A total of 138 question papers (subject wise) were prepared for a total of 3510 candidates for various examinations in 28 disciplines and the pass was 95 per cent. In the same year, 382 students of 2010 - 2011 batches registered for their second semester in first year. A total of 178 question papers (subject wise) were prepared and 383 candidates appeared for final exams during 2010 - 12 batch. A total of 322 transcript cards were prepared and issued to the students during the current year.

Doctoral programmes

During the year 2011 - 12, a total of 196 students registered 208 courses in 26 different disciplines in Agriculture, Horticulture, Food science and nutrition, Agricultural engineering and Forestry. Examinations were conducted for the above courses and statement of marks was issued to 196 students through the respective departments for the completed semesters. Statement of marks for research credits have been issued for 212 second year, 102 third year and 67 fourth year students. Arrangements were made to conduct qualifying examinations for 196 second year Ph. D students. 73 of transcript cards were prepared and issued.

Diploma programmes

Diploma (Agriculture) and Diploma (Horticulture) programmes were offered in eleven institutes (which include 6 Constituent institutes of TNAU and 5 affiliated Institutes) and one affiliated (Perambalur) Institute, respectively. A total of 542 students registered for the courses during the year 2011 – 12, for Diploma (Agriculture) programme and 66 students for Diploma (Horticulture) programme. Out of the registered students, 289 students completed the courses and were awarded with certificates.

Open and Distance Learning programmes

Three postgraduate degree course viz., MBA, Sugarcane technology and Environmental management and five postgraduate diploma courses viz., Bioinformatics, Food biotechnology and production and quality control in medicinal plants Energy Management and Food science and processing are being offered. A total of 103 students enrolled and results declared for 65 students. Final theory examinations were conducted for 78 courses under PG degree and postgraduate diploma programmes for 2009, 2010 and 2011 batch students. The answer papers were evaluated and 465 statements of marks prepared and issued.

5. RESEARCH

5.1. NEW CROP VARIETIES, AGRICULTURAL IMPLEMENTS AND MANAGEMENT TECHNOLOGIES

1. TNAU RICE ADT 50

Special Features

- ❖ Medium slender, white rice with less 1000 grain weight (15.9 g)
- ❖ Higher milling (77.3%) and head rice yield (63.2%)
- ❖ Non-sticky cooked rice
- ❖ Suitable for all types of preparations
- ❖ Resistant to leaffolder, moderately resistant to stem borer and moderately susceptible to GLH, brown spot, blast and RTD

Parentage	: BPT 5204 / CR 1009
Duration (days)	: 149
Season	: Samba (August sowing)
Yield (kg/ha)	: 5945
% increase over	: 2.9, 16.5 and 45.1 per cent increase over CR 1009, ADT 44 and BPT 5204 respectively
Highest yield obtained	: 10,494 kg / ha
Area of adoption	: Thanjavur, Trichy, Thiruvarur, Cuddalore, Nagapattinam, Pudukkottai, Perambalur and Karur districts of Tamil Nadu.



2. TNAU MAIZE HYBRID CO 6

Special Features

- ❖ High yielding single cross hybrid.
- ❖ High starch (76.30%), high protein (11.25%) and high beta-carotene (0.48 mg/100 g) with moderate level of fat (4.65 %) and crude fibre (1.29%).
- ❖ Bold, orange yellow semi dent kernel
- ❖ High shelling (81%) with high test weight (400 g /1000 grains).
- ❖ Multiple disease resistance viz, Sorghum downy mildew, *Maydis* leaf blight, *Turcicum* leaf blight, Post flowering stock rot and Banded leaf and sheath blight.

Parentage	:	UMI 1200 x UMI 1230
Duration (days)	:	110
Season	:	Irrigated (June - July & Nov. - Dec.) Rainfed (Sept. - Oct.)
Yield (kg/ha)	:	Irrigated : 7400 kg/ha Rainfed : 5000 kg/ha

% increase over	:	<table border="1"><thead><tr><th>Yield (Kg/ha)</th><th>Irrigated</th><th>Rainfed</th></tr></thead><tbody><tr><td></td><td>7400</td><td>5000</td></tr><tr><td colspan="3">% increase over</td></tr><tr><td>CoH(M) 5</td><td>28.2</td><td>16.6</td></tr><tr><td>900 M(G)</td><td>10.6</td><td>19.0</td></tr><tr><td>NK 6240</td><td>8.2</td><td>21.6</td></tr></tbody></table>	Yield (Kg/ha)	Irrigated	Rainfed		7400	5000	% increase over			CoH(M) 5	28.2	16.6	900 M(G)	10.6	19.0	NK 6240	8.2	21.6
Yield (Kg/ha)	Irrigated	Rainfed																		
	7400	5000																		
% increase over																				
CoH(M) 5	28.2	16.6																		
900 M(G)	10.6	19.0																		
NK 6240	8.2	21.6																		

Highest yield obtained	:	13272 Kg/ha
Area of adoption	:	Recommended for cultivation in maize growing tracts of Tamil Nadu.



3. TNAU SUGARCANE Si 8

Special Features

- ❖ Best suited for mid late season.
- ❖ Commercial cane sugar – 12.9 %
- ❖ High sugar yield – 18 t/ha
- ❖ Thick and straight cane
- ❖ No spines and easy to detrash
- ❖ Best suited for mechanical cultivation
- ❖ Tolerant to drought and water logging
- ❖ Moderately resistant to red rot

Parentage	:	CoC 90063 x Co 8213				
Duration (days)	:	330				
Season	:	Mid late (February - May)				
Yield (kg/ha)	:	146 t/ha (ratoon crop – 135 t/ha)				
% Increase over	:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">kg / ha</td> <td style="padding: 2px;">1,46,000</td> </tr> <tr> <td style="padding: 2px;">% increase</td> <td style="padding: 2px;">14.8 over Co 86032</td> </tr> </table>	kg / ha	1,46,000	% increase	14.8 over Co 86032
kg / ha	1,46,000					
% increase	14.8 over Co 86032					

Highest yield obtained : 187 t / ha
Area of adoption : All sugarcane cultivating area

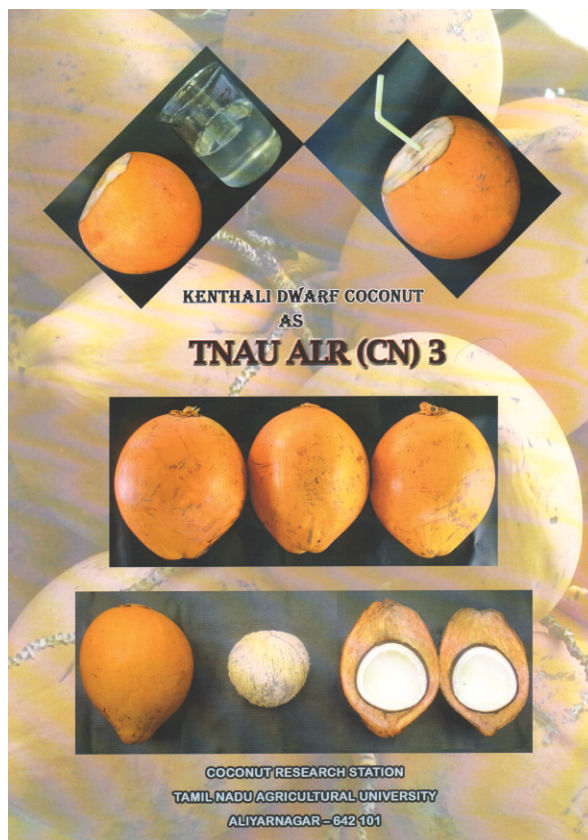


4. TNAU COCONUT ALR (CN) 3

Special Features

- ❖ Suitable for tender nut purpose with sweet taste and high potassium content
- ❖ Field tolerance to Eriophyid mite

Parentage	:	Selection from Kenthali dwarf
Duration	:	Flowering from third year onwards
Season	:	Planting during June- July or December-January
Yield	:	86 nuts/palm/annum
% increase over	:	COD – 34.1 MYD – 37.9
Highest yield obtained	:	121 nuts/palm/annum
Area of adoption	:	Irrigated belts of Tamil Nadu



5. TNAU PAPAYA CO 8

Special Features

- ❖ Red pulped dioecious TSS 13.5%
- ❖ Papain activity 138TU/mg
- ❖ Suitable for dessert purpose, pulping, processing (RTS, jam, tutti-fruity) and papain industry

Parentage	:	Initial selective hybridization of CO2 (yellow pulped) with red anthered male followed by intermating and repeated selection in segregating population for red pulp colour
Duration	:	Economically maintained for 20-22 months under favourable condition
Season	:	June - July planting for many parts of Tamil Nadu
Yield	:	230t / ha when planted at a spacing of 1.8 x1.8m
% increase over	:	4.5% increased yield over CO 2
Highest yield obtained	:	235 t/ha
Area of adoption	:	Areas with tropical climate having moderate weather condition; can be cultivated in many parts of Tamil Nadu



6. TNAU COCCINIA CO 1

Special Features

- ❖ Perennial and high yielding (83.09 t/ha/year)
- ❖ Long, green, white striped, less seeded sweet fruits (4.5 % Brix)
- ❖ Suitable for culinary purpose and salad

Parentage	:	Clonal selection from Annaikatti type
Duration	:	Perennial
Season	:	June - July
Yield	:	83.09 t/ha/year
% increase over	:	54.06% increased over local type
Highest yield obtained	:	91.95 t/ha
Area of adoption	:	Coimbatore, Theni, Kanchipuram, Thiruvannamalai, Vellore and Dindigul



7. TNAU BOTTLE GOURD HYBRID CO 1

Special Features

- ❖ Crop suitable for bower system of cultivation
- ❖ Cylindrical, without crook neck, medium sized (0.95 - 1.00 kg)

Parentage	:	NDBG 121 x Arka Bahar
Duration (days)	:	100 – 110
Season	:	June – July and Jan. – Feb.
Yield	:	79.03 t/ha
% increase over	:	27.28% increase over Warad hybrid
Highest yield obtained	:	83.32 t/ha
Area of adoption	:	Coimbatore, Salem, Cuddalore, Thanjavur, Madurai, Theni, Kanchipuram, Thoothukudi, Tiruchirappalli, Dharmapuri, Krishnagiri, Vellore, Thiruvallur, Thirunelveli, Erode, Nagercoil, Namakkal, Perambalur and Dindigul



8. TNAU ASH GOURD HYBRID CO 1

Special Features

- ❖ Medium viny
- ❖ Oblong medium sized fruits

Parentage	:	PAG 3 x CO 2
Duration (days)	:	130 – 135
Season	:	June – July and Jan. – Feb.
Yield	:	91.82 t/ha
% increase over	:	36.56% increased yield over MAH 2
Highest yield obtained	:	101.00 t/ha
Area of adoption	:	Salem, Erode, Coimbatore, Cuddalore, Namakkal, Madurai, Theni, Kanchipuram, Tiruchirappalli, Thanjavur, Dharmapuri, Krishnagiri, Thiruvannamalai, Thoothukudi, Vellore, Thirunelveli, Nagerkoil, Pudukkottai and Perambalur



9. TNAU MALAI VEMBU MTP 1

Special Features

- ❖ Fast growing, multi purpose industrial wood species
- ❖ Propagated through seeds and cuttings.
- ❖ Good fuel wood and calorific value (3700 K.cal to 4200 K.cal.)
- ❖ Conserve as alternate pulpwood species

Parentage	:	Selection from the existing population grown at Thalamalai
Duration	:	60 months
Yield	:	4000 cft/ ha
Highest yield obtained	:	4,329 cft/ha is recorded from a 5 year old evaluation trial
Area of adoption	:	Throughout Tamil Nadu with well drained soil except water logged area

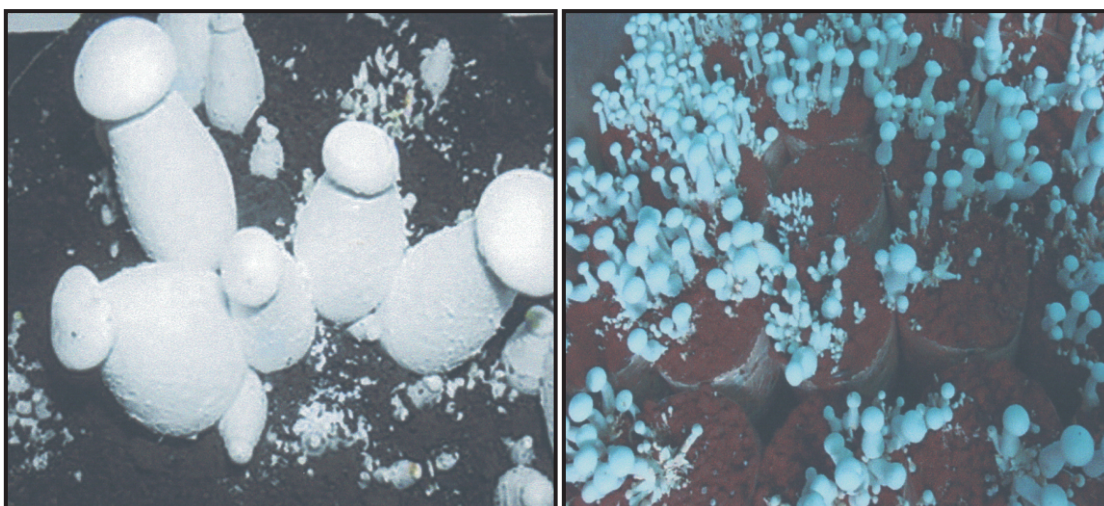


10. TNAU MILKY MUSHROOM CO (TG) 3

Special Features

- ❖ Good keeping quality
- ❖ (3 days under room temperature; 5 - 6 days - refrigerated conditions)
- ❖ Carbohydrates 11.8%, protein 32.9%, fibre 20.7%, potash 8.32%, iron 5.6 mg,
- ❖ Cooked mushroom has pleasing aroma.

Parentage	:	Selection, introduction and purified by tissue culture method from wild mushroom collections
Duration (days)	:	45 - 50
Season	:	Throughout the year
Yield	:	1.6 kg / kg dry paddy straw
Highest yield obtained	:	1.76 kg / kg dry paddy straw
Area of adoption	:	Plains of Tamil Nadu



11. TNAU NILGRIS KUFRI POTATO 1 (KUFRI NEELIMA)

Special Features

- ❖ High yielding
- ❖ Resistant to late blight and potato cyst nematodes
- ❖ Good storability

Parentage	:	E/79 -15 x E/79 - 42						
Duration (days)	:	110 - 120						
Season	:	All three season in The Nilgiris (summer, autumn and spring)						
Yield	:	250 to 300 q / ha						
% increase over	:	<table border="1"><tr><td>Kufri Swarna</td><td>+ 17.45</td></tr><tr><td>Kufri Giriraj</td><td>+ 25.77</td></tr><tr><td>Kufri Jyothi</td><td>+ 25.18</td></tr></table>	Kufri Swarna	+ 17.45	Kufri Giriraj	+ 25.77	Kufri Jyothi	+ 25.18
Kufri Swarna	+ 17.45							
Kufri Giriraj	+ 25.77							
Kufri Jyothi	+ 25.18							
Highest yield obtained	:	543.67 q/ha						
Area of adoption	:	The Nilgiris District of Tamil Nadu						



12. TNAU BLACKGRAM VBN 7

Special Features

- ❖ High yield
- ❖ Resistant to Yellow Mosaic Virus
- ❖ No incidence of leaf curl virus
- ❖ Resistant to Powdery Mildew

Parentage	:	VBN3 / Vigna mungo var. silvestris 8								
Duration (days)	:	65 - 70								
Season	:	All season for Tamil Nadu and Kharif season for South zone								
Yield	:	981 kg / ha								
% increase over	:	<table border="1"><tr><td>VBN 3</td><td>24%</td></tr><tr><td>VBN (Bg) 4</td><td>30%</td></tr><tr><td>Pant U</td><td>30-50%</td></tr><tr><td>RPU</td><td>38-50%</td></tr></table>	VBN 3	24%	VBN (Bg) 4	30%	Pant U	30-50%	RPU	38-50%
VBN 3	24%									
VBN (Bg) 4	30%									
Pant U	30-50%									
RPU	38-50%									
Highest yield obtained	:	ART - 1550 kg/ha, IVT - 2375 kg/ha								
Area of adoption	:	All over Tamil Nadu except Kanniyakumari and Nilgiris and South Zone, Karnataka, Andhra Pradesh and Orissa								



13. TNAU COCONUT VPM 4 (KERA KERALAM)

Special Features

- ❖ Early bearer, comes to flowering in 58 months, against 72 months in ECT
- ❖ High kernel thickness (1.3 cm)
- ❖ High copra yield (3.6 t/ha)
- ❖ Highest oil outturn (2.44 t/ha)

Parentage : Selection from germplasm type collected from CPCRI, Kasaragod, Kerala

Duration : Expected life span - 100 years

Season : June - July or December - January

Yield : 152 nuts / Palm / Year

% increase over :

Nuts/ha	26,600
East Coast Tall (ECT)	29.6%
VPM 3	47.6%

Highest yield obtained : 250 nuts / palm / year

Area of adoption : All districts of Tamil Nadu



II. AGRICULTURAL IMPLEMENTS

14. ARECANUT HARVESTER

Special Features

- ❖ Unskilled workers can also use to climb
- ❖ Light weight aluminium pole with improved configuration of cutting edge of the knife for easy harvesting
- ❖ Seating arrangement (adjustable and pivotable) with back rest for safe and secure operations
- ❖ Rotatable unit to facilitate harvesting of bunches from surrounding trees.

Weight : 12 kg

Cost of the device along with the knife : ₹.7000/-

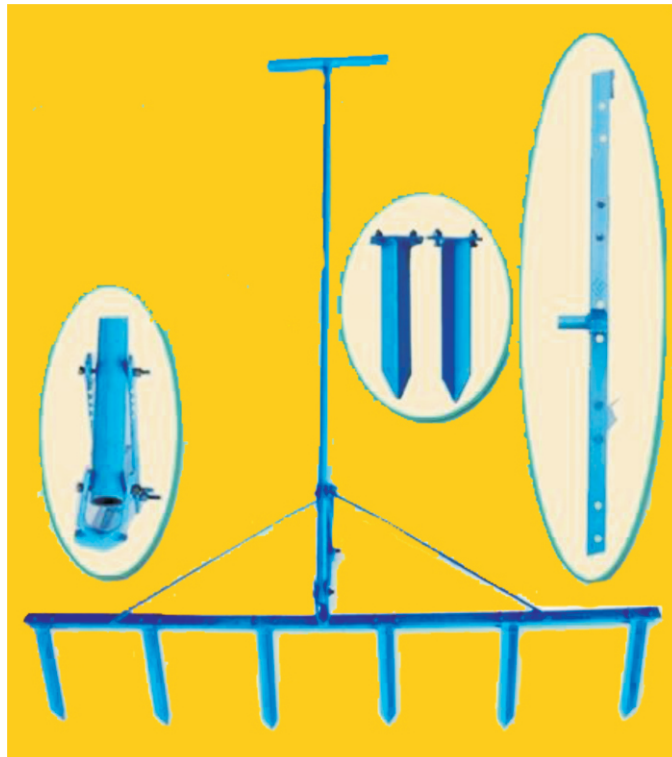


15. MANUALLY OPERATED LINE MARKER

Special Features

- ❖ Easy to operate
- ❖ Reduced seed rate
- ❖ Suitable for small and marginal farmers
- ❖ Reduction in cost of cultivation
- ❖ Maintenance of optimum plant population

Total Weight	:	6 Kg
Bottom Rod "L" Angle	:	1.5 m
Spacing	:	15 cm to 150 cm
Marking Tyne Length	:	22.5 cm
Handle Rod Length	:	1.5 m (Similar to Cono weeder)
Cost of the implement	:	₹. 650/-



16. TRACTOR OPERATED MULTI-PURPOSE HOIST

Special Features

- ❖ Amenable for fruit plucking, coconut harvesting, training, pruning, lopping and spraying tree crops.
- ❖ The equipment is attached to the back of a 45 hp agricultural tractor.
- ❖ Two labourers can stand on the platform and do operations
- ❖ Platform can reach a maximum height of 8.1 m
- ❖ Can also be used for maintenance works on street lights, white washing and painting of buildings.

Cost of the machine : ₹.45,000/- (only the attachment)



17. IMPROVED COCONUT TREE CLIMBER

Special Features

- ❖ Lesser weight of the lower unit (3.0 kg) than existing model (6.0 kg)
- ❖ Lower unit is lifted simultaneously by leg and hand force for continuous operation
- ❖ Comfortably designed upper frame makes
- ❖ Harvesting capacity 45 trees/day (38 trees / day for existing model)
- ❖ Cost of harvesting - ₹. 3.50/tree (₹. 4.50 / tree for existing model)

Cost of the machine : ₹.2,300/-



18. AERIAL ACCESS HOIST FOR COCONUT HARVESTING

Special Features

- ❖ First machine of its kind in tractor mounted form
- ❖ A full length chassis from front to rear of the tractor provides support
- ❖ The entire weight of the hoist and moments transmitted through the chassis to the stabilizers without transferring to the tractor chassis.
- ❖ Four trees can be accessed from a single position.
- ❖ The time required for locating unit and operating stabilizers - 1 min.
- ❖ The time required for positioning against a tree of 10 m height was 2 min.
- ❖ The positioning of the operator platform can be done by the operator himself

Lifting capacity	: 120 kg
Platform size	: 1000 x 700 x 1000 mm
Working height	: 16 m
Platform access height from the ground	: 15 m
Platform outreach	: 6 m
Rotation/slewing angle	: 360 degrees
Stabilizer	: Hydraulically operated 4 nos. to provide absolute stability
Power	: PTO of tractor, with exclusive hydraulic system and controls
Cost of unit	: ₹.7.60 lakhs



III. MANAGEMENT TECHNOLOGIES

19. SUB SURFACE DRIP FERTIGATION SYSTEM FOR MECHANIZED SUGARCANE CULTIVATION

Details

- ❖ Trenches of 30 cm depth, 40 cm width at 180 cm spacing formation
- ❖ Planting of two budded setts @ 8 setts / m on either side of the furrow.
- ❖ Laying the inline laterals with a emitter spacing of 60 cm with 4 LPH drippers to a depth of 20-25 cm just below the setts and the drippers must face upwards.
- ❖ Irrigating the crop at 100% PE on alternate days for light soils and once in 3 days for heavy soils.
- ❖ RDF : 275 : 62.5 : 112.5 kg NPK / ha
- ❖ Weeding and earthing by using mini tractor operated rotovator and ridger.
- ❖ Harvest at 10 -11 months with cane harvester

Advantages

- ❖ Favour more ratoonability
- ❖ Irrigation water saving up to 40%
- ❖ Higher net returns

Economics

- ❖ Net return - ₹.1,06,956/ha with B:C ratio of 2.01



20. BIOCOLOUR FROM BEETROOT

Details

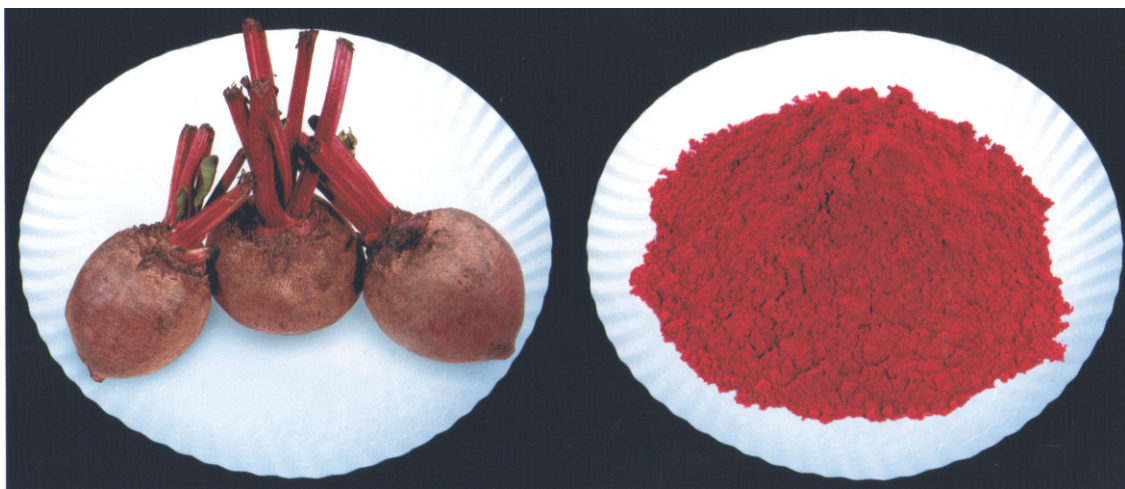
- ❖ Prepared through spray drying at a temperature of 200° C.
- ❖ Freshly prepared biocolour powder - dark reddish pink and soluble in water. Nutrients content in 100g carbohydrate - 69.36, protein - 5.50, fat - 0.2, fiber - 0.28, ash - 4.8, total antioxidant - 1.636, tannin - 2.74 and others - 13.41.

Advantages

- ❖ Useful confectionery, bakery, Processed milk and fruit products.
- ❖ Non toxic, non hazardous and ecofriendly.

Economics

- ❖ Cost of production ₹. 560/- per kg



21. SOIL TEST CROP RESPONSE BASED INTEGRATED PLANT NUTRITION SYSTEM FOR AGRICULTURAL AND HORTICULTURAL CROPS (STCR-IPNS)

Details

- ❖ Soil Test Crop Response based Integrated Plant Nutrition System (STCR-IPNS) for achieving desired yield on various soil types.
- ❖ STCR-IPNS recommendations along with the entire improved package of practices for various crops can be adopted on similar and allied soil types.

S.No	Crops	Soil types
1.	Rice	River alluvium (Noyyal & Manakkarai series), red non calcareous (Irugur series), black alluvium (Kalathur & Adanur series)
2.	Wheat (Hill & Plains)	Laterite (Ooty series) and mixed black calcareous (Periyanaickenpalayam series)
3.	Sorghum, Cotton	Periyanaickenpalayam and Irugur series
4.	Maize, Blackgram, Sunflower, Bhendi, Ashwagandha	Periyanaickenpalayam series
5.	Ragi	Mixed black calcareous (Periyanaickenpalayam series) & red calcareous (Somayanur series)
6.	Greengram, Onion, Chilli, Turmeric	Irugur series
7.	Groundnut	Irugur, Somayanur and Ooty series
8.	Gingelly	Black alluvium (Adanur series)
9.	Sugarcane	Periyanaickenpalayam & Irugur series, red coastal alluvium (Gadillum series)
10.	Beetroot, Radish	Red calcareous (Palathurai series)
11.	Tapioca	Red calcareous (Thulukkanur series)

Advantages

- ❖ Increase in crop yield (agricultural crops: 20 - 25%; horticultural crops: 30 - 35%).
- ❖ Balanced fertilisation to crops
- ❖ Increase in fertilizer use efficiency.
- ❖ Least adverse effect on environment by minimizing nutrient losses

Economics

- ❖ Agricultural Crops : ₹.3,000 - ₹.20,000/-
- ❖ Horticultural Crops: ₹.25,000 - ₹.1,50,000/-



5.2. RESEARCH FINDINGS FOR ADOPTION

RICE

CROP MANAGEMENT

Yield maximization in direct planting system (DPS)

On farm trials conducted at Coimbatore, Aduthurai, Killikulam, Trichy, Ambasamudram and Paiyur revealed that direct planting system (DPS) recorded higher yield attributes, grain yield and benefit cost ratio as compared to conventional transplanted rice (TP). In DPS, the grain yield ranged from 6,121 kg ha⁻¹ in Paiyur to 6,952 kg ha⁻¹ at Coimbatore.

Direct seeding of rice (DSR) with drum seeder

Direct seeding of rice with drum seeder followed by cono weeding on 10, 20 and 30 DAP recorded higher growth, yield parameters, yield and economics as compared to farmers method of cultivation. The yield increase by drum seeding ranged from 8.7 % in Coimbatore and Ambasamudram to 20 % at Aduthurai center.

Micronutrient mixture for irrigated and rainfed rice

Application of recommended dose of NPK+ TNAU MN mix @ 25 kg ha⁻¹ for irrigated rice and 12.5 kg ha⁻¹ for rainfed rice as enriched FYM (Micro nutrient mixture and FYM at 1 : 10 ratio incubated for 1 month) recorded the highest mean grain yield of 5,800 and 2,832 kg ha⁻¹ respectively.

Composting technique for aquatic and agro wastes

Composting of water hyacinth in combination with locally available agro wastes namely coir pith / chaffy grain / paddy straw and cow dung at 1 : 05 : 0.2 ratio was found to be more profitable than composting water hyacinth alone. Addition of TNAU biomineraliser @ 2 kg per ton of raw materials could advance the period of compost maturity to 100 - 120 days from 120 - 140 days. Use of *Pleurotus* @ 5 bottles and lime stone @ 5 kg per ton of coir pith were more effective while composting with coir pith.

Drip biogation in aerobic rice

Under aerobic rice condition, provision of sub - surface drip fertigation (10 cm depth) scheduled at 125 % PE for clay soil / 150 % PE for sandy soil along with fertigation of *Azophosmet* and seaweed extract each @ 500 ml ha⁻¹ during panicle initiation and flag leaf stage recorded higher mean grain yield (+14.2 %) and B : C ratio of 2.65 over conventional irrigation.

CROP PROTECTION

Management of rice blast and sheath blight by TNAU Pf 1 liquid formulation

Application of *P. fluorescens Pf 1* liquid formulation was found to be effective in reducing the incidence of blast (46.11%) and sheath blight (48.35%) diseases in rice when compared to untreated control.

Management of false smut of rice

Treating with propiconazole (0.1%) recorded significant reduction (56.14%) in false smut disease incidence.

MILLETS & FORAGES

TNAU micronutrient mixture for maize

Application of TNAU MN mixture @ 30 kg ha⁻¹ as EFYM for irrigated maize and 7.5 kg ha⁻¹ as EFYM for rainfed maize recorded the highest grain yield of 6143 and 5250 kg ha⁻¹. The new TNAU MN mixture was also found better than the existing DoA MN mixture for millets (Std. MN mix no. 2) by recording 4.3 and 5.1 % increased grain yield under irrigated and rainfed system respectively. The MN mixture of TNAU @ 30 kg ha⁻¹ as EFYM recorded the highest B : C ratio of 2.32 and a net additional return of Rs.6110/- per ha.

Mycorrhiza for zinc nutrition

Soil inoculation of mycorrhizal fungus (*Glomus intraradices*) @ 100 kg ha⁻¹ in combination with 12.5 kg ZnSO₄ is recommended for irrigated maize for getting a higher yield of 5.73 t ha⁻¹.

Intercropping in rainfed finger millet with redgram

Finger millet based inter cropping system with pigeon pea at 4 : 1 ratio is recommended for rainfed situation to obtain high grain yield (5767 kg ha⁻¹), net return (Rs.22341 ha⁻¹) and B : C ratio (2.17).

PULSES

Urea phosphate as foliar nutrition in irrigated greengram

Application of RDF + Urea phosphate 2% foliar spray twice, viz., at flowering and 15 days there after, recorded 20 and 5.5 % yield increase over control (No foliar spray) and DAP 2% spray respectively.

TNAU micronutrient mixture formulation for irrigated and rainfed pulses

Application of recommended dose of NPK+MN mixture formulation of TNAU @ 5.0 kg ha⁻¹ as enriched FYM for irrigated and rainfed blackgram recorded the highest mean grain yield of 895 and 656 kg ha⁻¹ as against the DoA MN mixture (842 kg ha⁻¹).

Weed management in rice fallow blackgram

Application of Imazethapyr at 50 g ai ha⁻¹ + quizalofop ethyl at 50 g ai ha⁻¹ as Post emergence on 20 DAS is recommended for rice fallow blackgram fields infested with both grasses and broad leaved weeds. Application of Quizalofop ethyl at 50 g ai ha⁻¹ as Post emergence on 20 DAS is recommended to control the grasses, re - growth of stubbles and self - sown paddy.

Mechanizing pulses production

Mechanized pulses production using tractor operated seed drill, power operated weeders, multi bloom sprayer and combine harvester has resulted in higher grain yield of 873 – 926 kg ha⁻¹ (26.5 – 27.4%) and B : C ratio (2.46 – 2.79) besides minimizing labour requirement from 48.62 to 8.00 as against the grain yield of 685 – 732 kg ha⁻¹ and B : C ratio of 2.07 – 2.11 in conventional cultivation.

CROP PROTECTION

Efficacy of newer insecticide against sucking pests in greengram / black gram

The lowest damage (10.3%) was recorded in thiamethoxam @ 1.0 g / 3 lit treated plants against 40.6 per cent in control. Similarly, the pod damage by pod bug complex was minimum (6.7%) using thiamethoxam @ 1.0 g/ 3 lit while it was 30.7% in untreated control plots. The newer molecule, thiamethoxam 75 WS @ 1 g / 3 lit is recommended for the management of sucking pests of blackgram and greengram.

Management of redgram sterility mosaic disease

Two rounds of spraying with fenazaquin 1 ml/lit at 45 DAS and 15 days after first spray was found to be effective in reducing the SMD by 77.9 per cent

OILSEEDS

CROP MANAGEMENT

Castor designer seed for improving yield under rainfed condition

Castor seeds can be designed with polykote 3 ml + Imidachloprid 5 ml + Carbendazim 2 g + *Pseudomonas fluorescences* 10 g + Azosprillum 20 g kg⁻¹ for increasing seed yield of castor by 19.7% (1760 kg ha⁻¹) with B : C ratio of 3.6.

Yield maximization in castor through improving pistillate flower production using plant growth regulator (PGR) consortia

Foliar application of plant growth regulator consortia @ 250 ml ha⁻¹ at 28 DAS for increasing pistillate flower production from 74.1 to 121%; seed setting percent to 90% and yield increase of 26.7% (1988 kg ha⁻¹) with B : C ratio of 4.1.

Weed management in irrigated groundnut by using pre and post emergence herbicides

Application of pre emergence herbicides pendimethalin @ 0.75 kg ha⁻¹ / Oxyflorfen @ 250 g ha⁻¹ at 3 DAS + early post emergence application of imazethapyr @ 100 g ha⁻¹ at 2 - 3 leaf stage of the weed resulted in 87% weed control efficiency with a pod yield of 2174 kg ha⁻¹ and B : C ratio of 2.55 in irrigated groundnut.

CROP PROTECTION

Management of late leaf spot and rust disease of groundnut

Seed treatment with mancozeb 2 g / kg + hexaconazole 0.1% spray at 60 and 75 DAS has recorded the lowest incidence of rust (28.65 %) and late leaf spot (33.09 %) with the maximum yield of 2169 kg ha⁻¹ and the cost benefit ratio of 2.83.

Management of groundnut root rot

Seed treatment with propiconazole at 2 ml / kg recorded the lowest incidence of root rot (4.06 %) with the maximum yield of 2307 kg ha⁻¹ and the cost benefit ratio of 2.66.

Management of botrytis grey mold of castor

Foliar spray of carbendazim (0.1%) at 45 and 60 days after sowing recorded the lowest grey mold incidence (7.9% and 10.2% in primary and secondary spikes, respectively) with the maximum seed yield of 1381 kg ha⁻¹ and benefit cost ratio of 2.5.

SUGARCANE

CROP PROTECTION

Efficacy of newer insecticide against sucking pests in sugarcane

Foliar application of thiamethoxam 25 WG @ 0.2 g/l recorded the highest mean mortality of sugarcane woolly aphid (95.76%) and registered highest mean yield (105.04 tonnes ha⁻¹).

IPM components against borer complex

Rynaxypyr 20 SC @ 75 g a.i. ha⁻¹ as sett treatment as well as drenching on 105 DAP recorded lowest mean incidence of ESB (20.41%) and INB (16.32%) as well as top borer (2.01%) and registered highest mean yield (104.82 tonnes ha⁻¹)

COTTON

Foliar application of nutrients for Bt cotton

Application of RDF (120 : 60 : 60 kg NPK ha⁻¹) combined with foliar nutrition of 1 % Mono Potassium Phosphate (MPP) or 1 % Poly feed (19 - 19 - 19) or TNAU Cotton plus 1.25% at 75 & 90 DAS registered higher seed cotton yield. Hence recommended for yield maximization in cotton.

Effect of bio - control agents for the management of soil - borne and foliar diseases of cotton

Seed treatment (10 g / kg) and soil application (2.5 kg ha⁻¹) of *P. fluorescens Pf1+* + *B. subtilis Bs+* + *T. viride. Tv* bioformulation mixture recorded the lowest incidence of root rot (5.2%) and wilt (5.33%) and the highest seed cotton yield of 17.81 q ha⁻¹ with the B : C ratio of 3.94. Similarly, this bioformulation mixture treated plots recorded the lowest mean PDI of 12.03, 11.13 and 7.78 *Alternaria* leaf blight, grey mildew and BLB, respectively. It recorded the seed cotton yield of 17.46 q ha⁻¹ with B : C ratio of 3.21.

PALMS

New micronutrient mixture formulation for coconut

Application of TNAU micro nutrient mixture formulation @ 1 kg/tree/yr, improves the yield of coconut in Tall variety (114 nuts) and Hybrid coconut (153 nuts) against the existing DoA MN mixture (96 and 111 nuts respectively).

HORTICULTURE CROPS

FLOWER CROPS

CROP MANAGEMENT

Growing media consortia for protected cultivation of carnation

Incorporation of 30 kg m⁻² of growing media consortia made of 10 : 1 : 1 of farm yard manure, vermicompost and cocopeat with biofertilizers azospirillum, phosphobacteria, VAM and the biocontrol agents *Trichoderma viride* and *Pseudomonas fluorescens* @ 20 g m⁻² at bimonthly intervals is recommended for improvement of flower yield and quality in carnation grown under protected conditions.

Spacing for protected cultivation of carnation

A plant spacing of 15 x 15 cm (accommodating 36 plants m⁻²) is recommended for improvement of flower yield and quality for carnation under protected conditions.

Planting stage and pinching level for protected cultivation of carnation

Planting of 30 day old rooted cuttings and single pinching at fifth nodal point is recommended for improvement of vegetative growth and flower yield of carnation under protected conditions.

PLANT PROTECTION

Eco - friendly methods to manage *Alternaria* leaf spot in Marigold

Seedling root dipping with *Pseudomonas fluorescens* 10 g / lit of water for 30 min and soil application of *P. fluorescens* 2.5 kg ha⁻¹ and foliar application of *P. fluorescens* at 0.5% on 30 days after planting and 45 days after planting is recorded for the management of *Alternaria* leaf spot in marigold.

Nematode management in gerbera

Biofumigation (Sowing of mustard seeds @ 25 g/m² and incorporation of their biomass before flowering and covering with polythene mulch for 30 days) with mustard followed by soil application of *Pseudomonas fluorescens* @1.25kg ha⁻¹ at the time of planting is recommended for the management of root knot nematode in gerbera.

FRUITS

CROP PROTECTION

IPM Package for Tomato

- Seed treatment with *Pseudomonas fluorescens* @ 10 g kg⁻¹ of seeds
- Nursery application with *Trichoderma viride* and *Pseudomonas fluorescens*
- Application of neem cake @ 250 kg ha⁻¹
- Soil application of *Pseudomonas fluorescens* @ 2.5 kg ha⁻¹
- Selection of good and virus disease free seedlings for planting
- Roguing out of virus infected plants upto 45 days of transplanting
- Grow marigold as a border crop
- Set up *Helicoverpa* / *Spodoptera* pheromone traps @ 12 numbers / ha
- Release *Trichogramma chilonis* @ 50000 ha⁻¹
- Install yellow sticky traps
- Spraying Neem formulations (1%) / Neem seed kernel extract (5%)

Management of sigatoka leaf spot disease in banana with oil based formulations

- Three sprays of propiconazole (0.05%) with petroleum based mineral oil (1%) effectively controlled the sigatoka leaf spot disease (15.18 PDI). Highest leaf spot intensity was recorded in untreated check (42.67 PDI).

Effect of plant products, biocontrol agents and fungicides against black leaf spot of ber

- Two sprays of 0.1 per cent propiconazole (Tilt) at 15 days interval was found to be effective against black leaf spot disease in ber (2.6 PDI) which showed 95.2 per cent reduction over control (54.7 PDI).

VEGETABLES

CROP PROTECTION

Management of root knot nematode, *Meloidogyne incognita* in tomato through liquid formulation of PGPR consortium

Application of liquid formulation of PGPR consortia *Pfbv* 22 + *Bbv* 57 each 500 ml ha⁻¹ through drip is recommended for the management of root - knot nematode in tomato.

Mass production technique for predatory mite, *Amblyseius longispinosus*

Tray sown lablab based technology is recommended for the mass production of predatory mite, *Amblyseius longispinosus* @ 65 paise per 1000 predators

IPM package for bhendi

- Seed treatment with *Trichoderma viride* (4g kg⁻¹) and *Pseudomonas* (10g kg⁻¹)
- Soil application of *Pseudomonas* and *Trichoderma* (each 2.5 kg ha⁻¹)
- Soil application with Neem cake @ 250 kg ha⁻¹
- Maize as border crop against movement of whiteflies/ *Liriomyza*
- Use of yellow sticky traps
- Periodical removal of yellow vein mosaic virus infected plants
- *Helicoverpa* and *Earias* adult monitoring with pheromone traps
- *Trichogramma* release after each brood emergence of *Helicoverpa* and *Earias*
- Application of neem oil formulations 10000 ppm @ 1% / neem seed kernel extract (5%)

IPM package for brinjal

- Seed treatment with *Trichoderma viride* (4g kg⁻¹) and *Pseudomonas* @ 10 g kg⁻¹ of seed
- Nursery + seedling dip treatment with *Pseudomonas* @ 10 g/ lit of water
- Soil application with Neemcake @ 250 kg ha⁻¹
- Maize as border crop against movement of whiteflies/ *Liriomyza*
- Use of yellow sticky traps against whiteflies and *Liriomyza*
- Clipping of shoot borer infested terminals
- *Leucinodes* adult monitoring with pheromone traps
- *Trichogramma* release after each brood emergence of *Leucinodes*
- Application of Neem oil formulations 10000 ppm @ 1% / Neem seed kernel extract (5%)

Flubendiamide 20 WG against diamond backmoth in cabbage

Foliar spraying of flubendiamide 20 WG @ 25 g ai ha⁻¹ twice at 15 days interval is recommended for the management of Diamond backmoth in cabbage.

Management of powdery mildew disease of bottle gourd

Three sprays of tridemorph (0.1%) effectively controlled powdery mildew disease of bottle gourd (13.36 PDI) as against untreated check (54.16 PDI).

Management of downy mildew disease in gherkin

Plants sprayed with Sectin 60 WG (Fenamidon 10%+ mancozeb 50% 60 WG) was observed to be better with the lowest leaf infection of 23.23 PDI and fruit infection of 21.09 with the maximum yield of 9.12 t ha⁻¹.

Cultivation of paddy straw mushroom (*Volvariella volvacea*)

Among the different methods for the cultivation of paddy straw mushroom, circular compact bed method (1149 g 4 kg⁻¹ dry paddy straw) showed significantly highest yield when compared to other methods with the biological efficiency of 28.75.

SPICES AND PLANTATION CROPS

CROP PROTECTION

Management of foliar diseases in turmeric

Foliar spray with 0.1 % propiconazole on 45, 90 DAP and need based was found to be effective in reducing the leaf spot and leaf blotch in turmeric.

Management of cocoa pod rot and stem canker

Pseudomonas fluorescens (Pf 1) liquid formulations @ 0.5% as soil and foliar spray (3 times per year - June, October & February) was found to be effective in reducing the cocoa pod rot and stem canker.

Management of nematodes in black pepper through PGPR consortium

Soil application of *P. fluorescens* (Pfbv 22) + *B. subtilis* (Bbv 57) each @ 5 g / vine is recommended for the management of root - knot nematode and burrowing nematode in black pepper.

MEDICINAL PLANTS

CROP PROTECTION

Bio - management of nematode fungal disease complex in medicinal Coleus

Soil application of *Trichoderma viride* @ 2.5 kg ha⁻¹ is recommended for the management of nematode fungal disease complex in medicinal coleus.

FORESTRY

TREE MANAGEMENT

Thornless bamboo based profitable agroforestry models for Tamil Nadu

It is recommended that the following annual crops viz., cowpea, blackgram, greengram and brinjal could be recommended as profitable intercrops for *Bambusa vulgaris* based agroforestry models for Tamil Nadu. In addition, it is observed that the intercropping with *B. vulgaris* is not feasible after 2 years of planting.

Profitable agrisilvicultural system for different agroclimatic regions of Tamil Nadu

North Eastern zone

Among the different intercrops tried, the maximum diameter increment in Ailanthus tree was recorded with cluster beans (2.18 cm) which was 12.95 % higher than pure trees and the lowest was observed with tomato (2.00 cm) which registered only 3.63 % increase. The data reported that the highest benefit cost ratio of 3.13 : 1 was obtained from brinjal and the lowest from vegetable cowpea 2.50 : 1.

5.3. CENTRE FOR PLANT MOLECULAR BIOLOGY AND BIOTECHNOLOGY

Salient findings of completed projects

Name of the project	Salient findings
Efficient production of secondary metabolites from medicinal plants through in vitro culture	Callus induction in <i>Withania</i> was attempted. Leaf and internode explants were tried. Maximum callusing of 80% was obtained in MS medium with 24 - D (2 mg/L) + Kinetin (0.5 mg /L) in 25 days.
Dissemination of resilient and productive varieties to improve income and livelihood security of rainfed rice farmers in Tamil Nadu	A total of 100 on-farm demonstrations of Anna 4 were conducted in five villages of Ramnad. The crop was successful in spite of 28% deficit rainfall (335 mm).
Delivery and dissemination of new drought tolerant rice varieties and its impact on socio-economic conditions of rice farmers in drought prone rainfed ecosystems of Tamil Nadu, India.	About 2.5 t of seeds of Anna 4 was distributed to farmers through JDA and KVKs.
Detecting and fine mapping QTLs with major effects on yield under drought for deployment via marker aided breeding	QTLs for yield under drought are mapped using landraces, Nootripathu and Norungan. The consistency of these QTLs were tested by evaluating the rice lines under rainfed condition.
Stress tolerant rice for poor farmers in Africa and South Asia – Phase II	72 advance breeding lines and donors developed through traditional and molecular breeding were tested for drought response in Paramakudi under rainfed condition.

<p>Rice heparanase: cloning, characterization and over-expression for oxidative stress tolerance in rice</p>	<p>Semi - quantitative RT-PCR established the expression of <i>Oshcp2</i> transgene in ASD16 transformants (T₀).</p> <p>Four independent ASD16 transformants carrying <i>Oshcp2</i> were characterized by southern hybridization.</p> <p>Two of the four events were further selected, as they were found to show ideally single loci transgene integration by southern hybridization.</p> <p>Homozygous lines were identified for the above transformants in T₂ generation.</p> <p>Seeds from the above homozygous lines are multiplied in T₃ generation.</p> <p>Functional validation to be taken up during the T₄ generation.</p>
<p>Improvement of rice varieties / breeding lines for low water availability in South and Southeast Asia</p>	<p>Promising drought tolerant lines introgressed with yield QTLs were used as parents and they were fine mapped using SNPs for marker assisted breeding program in rice.</p>

5.4. CENTRE FOR AGRICULTURAL AND RURAL DEVELOPMENT STUDIES

The Centre for Agricultural and Rural Development Studies (CARDS) was established in 1978 as the first multi-disciplinary centre, to carry out research in socio-economic issues concerning agricultural and rural development.

The Centre comprised of four departments viz., Agricultural Economics, Agricultural Extension and Rural Sociology, Agricultural and Rural Management and Trade and Intellectual Property.

Objectives

The objectives of Centre for Agricultural and Rural Development Studies (CARDS) are to acquire and transmit new socio-economic knowledge to concerned stakeholders at various levels to support well informed decision making.

Mission

- To provide a broad range of educational programs in social sciences which contribute to the development of human capital in the field of Agricultural and Rural Development.
- To coordinate and support research that improves understanding of economic and community development issues, problems and opportunities.
- To provide policy support to state and central government on problems confronting rural development and
- To foster inter-institutional collaboration at regional, national and international levels for research, training and development in select areas.
- Imparting skills with respect to patent system, plant varieties registration and other forms of IPRs and trade issues through educational activities which are necessary for students.

Policy Support

- As the primary mandate of CARDS is to contribute for informed debate on agricultural and rural development policy-making in Tamil Nadu, the Centre is engaged in research and extension activities to generate data and information on agricultural and rural development perspectives and priorities.
- One of the major ongoing research projects in this directorate is the Comprehensive Scheme on Cost of Cultivation of Principal Crops in Tamil Nadu, fully funded by the Government of India. The data on various aspects of crop production are collected, computerized and analyzed for assisting the Government of India in fixing support prices for major crops.

- The State Agricultural Marketing Board has instituted a Professional Chair in the Department of Agricultural Economics since 1983 to strengthen education, research and training in agricultural marketing.
- To create awareness among agricultural scientists about Trade Marks and Copyright Protection, Plant Variety Protection, Intellectual Property Rights, Types of Patents and Methods of Patenting, an unique Intellectual Property Education Research and Public Outreach Programme is carried out at this centre with funding from Ministry of Human Resources Development, Government of India, New Delhi.

Research

ICAR Climate change impact and vulnerability of Indian agriculture to climate change

Evolving crop varieties to suit to the changing climate is one of the important strategies in climate adaptation in agriculture. Tamil Nadu Agricultural University has released number of varieties with drought tolerant trait. Data on tolerant varieties and technologies were collected from the variety/ technology release documents (1985 to 2011 for varieties and from 2003 to 2010 for technologies) available with Directorate of Research in Tamil Nadu Agricultural University. Crop wise and year wise varieties released by TNAU for drought tolerance is documented. Accordingly, among the crop studies, 72 high drought tolerant varieties, 6 moderate drought resistant varieties, 6 salinity tolerant varieties, 3 high drought resistant varieties, 2 moderate drought tolerant varieties and one cold stress varieties were documented. In rice 7 drought tolerant varieties and 4 salinity tolerant varieties were documented.

Calibration and validation of EPIC crop simulation model

The validation of EPIC model was done by comparing the model simulated and observed value from the field experiments. The model prediction for days to panicle initiation and to flowering widely varied from the field observations when the plants were exposed to moisture stress. The physiological maturity was slightly under predicted by the model in moisture stress free treatment. Biomass yield was closely predicted by model in all treatments as the deviation was less than fifteen per cent. Yield was under estimated irrespective of dates of sowing, however, the deviation was less between observed and predicted yields at different dates of sowing.

Validation of SRI as an adaptation strategy for climate change in Cauvery delta zone

The flooding of rice fields to grow irrigated rice is one of the major sources of methane within the agricultural sector. The field experiments conducted during 2011 and 2012 suggest that SRI emits less methane (8 mg/m²/hr) when compared to conventional system (13 mg/ m²/ hr). Also the field experiment indicated that under SRI, 22% increase in

grain yield and 24.5% water saving compared to transplanted rice. The water productivity was also maximum under SRI method of rice cultivation (0.63 kg/m³).

The belief that rice requires continuous flooding for best results is contradicted by SRI experience and scientific evaluations. Converting rice production from continuously flooded to intermittently flooded soil, or even to mostly aerobic soil conditions, will reduce methane production, and hence SRI can be an eco friendly rice cultivation methodology.

NAIP – Establishing and networking of Agriculture market intelligence centres in India

In the past one year, 35 commodity price forecasts for 18 commodities were made and disseminated to farmers. The dissemination of the market advisories has increased by 66% in SMS (5000 to 15000), 57 % in emails (450 to 1059) and district wise publication in newspapers increased in collaboration with Department of Agriculture. Also the important Agricultural magazines like Pasumai Vikadan, Ulavarin Valarum Velanmai, Malarum Velanmai have allotted separate column for the price forecasts in each issue. MoU with IFFCO Kisan Sanchar Limited enabled to deliver market advisories to 2 lakh IFFCO green card farmers via free voice-SMS in Tamil Nadu. Exclusive DEMIC website is linked with agmarknet (www.tnagmark.tn.nic.in).

NADP – District Agriculture Plan & State Agriculture Plan in Tamil Nadu

The Comprehensive District Agricultural Plan (CDAP) of 29 districts in Tamil Nadu and State Agriculture Plan was prepared and submitted to Government of Tamil Nadu. Multiple copies of District Agriculture Plans were sent to Joint Director of Agriculture in each district for further dissemination. A draft report on 'Decentralized Planning was prepared for the 12th Five Year Plan Working Group on Decentralized Planning under State Planning Commission.

IAMWARM - e-Velanmai

Farmers were enrolled in the scheme as members by collecting a membership fee of Rs.50 to 150 per farmer based on their farm size. About 4556 farmers had joined the scheme by paying the prescribed annual membership fees. The gender wise distributions among the members reveal that 88.76 per cent were male and the rest were female. The farm size wise distribution of the members indicated that a majority of small and marginal farmers (76.47%) who operated <5 ac land holding had participated largely as compared to medium and big farmers.

For the member farmers, 360 computer trainings were organized and 9279 farmers got benefitted. Training was imparted to 6816 members to take photographs of plant symptoms. Totally, 19 per cent members were trained on internet. Out of the trainees, 21.71 percent were men and 12.32 per cent were women youths. Nearly 10797 field solutions

were suggested to the farmers. Out of this 67.07 per cent were related to plant protection. The adoption level was 92 per cent and 97.34 per cent of the adopted farmers were successful.

Foreign Agency Augmenting Groundwater Resources by Artificial Recharge “AGRAR”

Water table fluctuations were found to vary where a 3-7 metres rise was found in the nearby wells downstream to the pond and 3 metres rise in the well upstream to the pond. The influence of recharge was higher in the closer wells (100 m), followed by medium distanced wells (<250 m) and lower in distanced wells (> 400 m). The rate of percolation varied between events. Higher percolation rates were observed when the structure was full, probably due to higher infiltration capacity away from the centre of the pond. Infiltration is also greatest during initial stages of a recharge event.

Maximising the Dissemination and Research of Agricultural Market Intelligence in TamilNadu

Organising and Conducting the Market Intelligence (DEMIC) trainings (14) to ATMA and NABARD club farmers, Agri clinic and Agri input Dealers and Uzhavar Shandy officials in the districts of Vellore, Villupuram, Krishnagiri, Dharmapuri, Thiruvallur, Thiruvannamalai and Kanchipuram. 900 farmers (ATMA and NABARD club) were trained through 18 trainings conducted. Eight trainings were conducted for agrilclinic and Input Dealers comprising 120 agri graduates. Trainings were also conducted for 100 Uzhavar shandai Officials

Market Intelligence information including the price forecasts of agricultural commodities was disseminated through these trainings directly and indirectly to the farmers to take appropriate sowing, storing and selling decisions of their produce for getting maximum benefit in the form of enhanced profit.

Cereal System Initiative for South Asia (CSISA)

On behalf of International Rice Research Institute, three countries (India, Bangladesh and Nepal) are operating the Cereal System Initiative for South Asia (CSISA) project. Activities were initiated in the selected districts namely Thanjavur, Pudukottai and Sivagangai. Village survey was completed in both CSISA and Non – CSISA villages, totally nine CSISA and Nine Non-CSISA villages were selected from the above three districts.

From each selected villages 18 household were contacted for household survey covering the different categories such as marginal, small, medium, large farmers and also landless agricultural labourers and rural artisans. Results showed that major rice varieties cultivated in the study area are CR 1009 and ADT 39 (Culture in local language) during samba season and ADT 36, ADT 43, ASD 16, ASD 17, ASD 18, and BPT 5204 varieties

were cultivated in Kuruvai season. During *Thaladi* season ADT 38, ADT 39 and CR 1009 are the major varieties cultivated in the study area.

NAIP - Risk Assessment and Insurance Products for Agriculture

An on-farm survey was conducted in Tamil Nadu with 600 farmers. The preliminary results of the study show that (a) 48% (289 farmers) farmers are aware about the crop insurance scheme; (b) Of the 188 insured farmers (31%) 127 were rice cultivators, which implies that majority (68%) of the rice cultivators are insured; (c) Large number of farmers expressed their willingness to adopt crop insurance (56%); (d) Majority of the insured farmers (96%) felt that the most acceptable premium rate is 2% of the sum assured; and (e) 30% farmers are not willing to adopt insurance, while the remaining (14%) farmers are indecisive.

Institution of Endowment Chair in Agricultural Marketing

The major factors contributing to the marketable surplus are total production of the crop, size of holding, and educational status of the farmers. Total arrivals to the regulated market are influenced by the total production in the District and number of farmers using the regulated market rather than the traders participation. The major problem faced by the farmers in using the regulated markets were low quantity of produce, transport expenditure, non availability of crop loan in right times which make them to go for pre harvest contract etc.

The major advantages felt by the farmers in using regulated market were the higher price, storage facilities, competitive traders price, pledge loan facilities and correct weight. The traders are using the regulated markets; because of concentrated assembling of produce, low transport cost / assembling cost, adequate infrastructure, banking and financial facilities.

Baseline Survey of IWMP I, II, III batch Watersheds in Coimbatore district

The watershed area lies within the administrative boundaries of Pollachi North Block of Pollachi Taluk, Coimbatore District. The total annual rainfall in the watershed area was 828 mm.

Majority (62 per cent) of the holdings were marginal and small holdings. The major source of irrigation was wells and canals. Coconut occupied 59.20 per cent of the area. It was followed by Cholan (12.24 per cent), Maize (0.41 per cent) and Paddy (0.08 per cent). The pulse crops like black gram (0.28 per cent) and green gram (0.15 per cent) were cultivated in the watershed area. Fruit crops like mango (1.24 per cent) and banana (0.54 per cent), Vegetable crops like tomato (1.72 per cent) and brinjal (0.16 per cent) were cultivated. The other crops like cotton (4.48 per cent) and groundnut (11.62 per cent) were cultivated in the watershed area. Coconut, groundnut, banana, tomato and paddy were

raised in irrigated condition. The major livestock was cattle, goat and sheep. Watershed development works includes formation of farm pond, percolation ponds, major check dams, supply channel of LRCDs, gabion structures, contour bunding and renovation of tanks. The Production system activities include horticulture plantation, agro forestry, fodder development, crop demonstrations and micro enterprises. Besides, the action plan also made provision for Preparatory Phase EPA - Entry Point Activities, Institution & Capacity building programmes. The above activities have been programmed to complete in seven years in an area of 4800 hectares with a total outlay of Rs.546.20 lakhs.

Evaluating the Causes and Consequences of Credit Gap in Tamil Nadu – An Economic Analysis

Based on the highest percentage share of crops to the gross cropped area of the State total, the crops such as banana, paddy, maize, groundnut, cotton, sugarcane, and coconut were selected. Coimbatore, Thiruvavur, Tiruppur, Salem, Villupuram and Thiruvannamalai districts were selected for conduct of the study. Inadequacy of loan amount followed by demanding of high valued security was the major problems faced by the borrowers. The non availability of collateral security was ranked as the first constraint by the non borrowers among banana cultivators, which prohibited them from accessing institutional credit.

The respondents suggested that the scale of finance should be enhanced considering the cost of cultivation of different crops. Simplification of banking formalities was the other suggestion given by the farmers.

Visioning Policy Analysis and Gender (VPAGe – NAIP scheme)

The study on impact evaluation of rice hybrid CORH 3 revealed that the technology contribution to increase in yield was 14.53%, whereas, inefficiency in input use resulted in a yield loss of 6.45% resulting in a net gain of only 8.08% in the yield.

The impact evaluation of *P. fluorescens* Pf1 was done in four crops namely, paddy, banana, chillies and sugar cane. The results of the study revealed that, in paddy, the additional yield obtained per hectare was 200 kg with the additional net income Rs.2254/ha. The reduction in EIQ value by 29.68 per cent implies that the accrued environmental benefit.

Organic Farming in Tamil Nadu – Food Security and Land Quality Implications

- Nearly 83 per cent of the sample farmers indicated increasing cost of external inputs in conventional method of cultivation as the major factor that influenced them to adopt organic farming.
- Nearly 92 per cent of the farmers expressed that organic farming is less costly when compared to conventional farming.

- More than 80 percent of the sample farmers are members of Commodity Grower Association in the North Eastern and North Western Zones.
- Mostly friends and neighboring farmers motivated the sample farmers to become the member of Commodity grower Association.
- All the sample farmers expressed lack of technical information, shortage of labour and that the organic produce does not fetch premium prices as the major constraints,
- Nearly 67 per cent reported farm production of organic inputs as expensive, time consuming and labour intensive.
- Among the sample farmers 60 per cent reported no tangible increase in yield.
- Inadequate supply of raw materials for preparing organic inputs on-farm was reported by 41.67 per cent of the sample organic farmers.
- 100 per cent of the sample farmers expected higher price for the organic produce and subsidy for organic farming from the government.
- Majority of the farmers needed facilitation to tie up with the organized retailer for selling their produce.

Department of Agricultural Extension and Rural Sociology

In the Farmers' day function held from 22.07.2011 to 24.07.2011, an exhibition was organized in the Technology Park of of Tamil Nadu Agricultural University.

In Coimbatore district, CODDISSIA complex, the AGRI - INTEX – 2011 South Indian Agricultural fair was organized from 28.07.2011 to 31.07.2012 by CODISSIA, an exhibition depicting the agricultural education, Agricultural research and agricultural extension was organized.

5.5. DIRECTORATE OF NATURAL RESOURCE MANAGEMENT

The directorate of Natural Resource Management was established in April 2010 and has been functioning in the main campus of the Tamil Nadu Agricultural University, Coimbatore.

Soil science and agricultural chemistry, Agricultural microbiology, Environmental sciences, Nano science and technology and Remote sensing and Geographic Information System are the interdisciplinary departments in the directorate, developing appropriate and cutting edge technologies for the efficient and effective management of natural resources like soil, water, crop and microbes and to understand and promote positive impact of environment on these resources for sustainable agricultural production and improvement of soil health through conservation Agriculture.

Soil Science and Agricultural Chemistry

Designer micronutrient fertilizer mixture for crops

Micronutrient Mixture for irrigated and rainfed rice

Application of recommended dose of NPK+ TNAU MN mixture @ 25 kg ha⁻¹ for irrigated rice and 12.5 kg ha⁻¹ for rainfed rice as enriched FYM (micro nutrient mixture and FYM at 1:10 ratio incubated for one month) recorded the highest mean grain yield of 5800 and 2832 kg ha⁻¹ respectively.

TNAU micronutrient mixture for maize

Application of TNAU micro nutrient mixture @ 30 kg ha⁻¹ as Enriched Farm Yard Manure (EFYM) for irrigated maize and 7.5 kg ha⁻¹ as EFYM for rainfed maize recorded the highest grain yield of 6143 and 5250 kg ha⁻¹, registering an increase of 12.8 and 20.7 per cent respectively over check. The MN mixture of TNAU @ 30 kg ha⁻¹ as EFYM recorded the highest BC ratio of 2.32 and a net additional return of Rs.6110 ha⁻¹.

New micronutrient mixture formulation for irrigated and rainfed pulses : Application of recommended dose of NPK + micronutrient mixture of TNAU @ 5.0 kg ha⁻¹ as enriched FYM for irrigated blackgram recorded the highest mean grain yield of 895 kg ha⁻¹ (24.57%) as against the DoA micronutrient mixture (842 kg ha⁻¹) registering an increase of 6.3 %. In rainfed pulses, application of TNAU micro nutrient mixture @ 5.0 kg ha⁻¹ as enriched FYM registered a mean grain yield of 656 kg ha⁻¹ in blackgram and 915 kg ha⁻¹ in greengram which was 6.7 per cent and 8.9 per cent higher than the DoA micronutrient mixture.

Micronutrient fertilizer mixture for coconut

Application of TNAU micronutrient mixture formulation @ 1 kg tree⁻¹ year⁻¹, improved the yield of coconut by 15.4 and 21.4 per cent in Tall variety (114 nuts) and hybrid coconut (153 nuts) respectively as against the existing DoA micronutrient mixture registering 7.7 per cent and 14.7 per cent over check.

Agricultural Microbiology

- Biofertiliser azospirillum and VAM application techniques for rice nursery under system rice intensification.
- Wine fermentation using various spices from fruit and cereals for value addition of agricultural products.
- Production technique of amino acids and minerals by enzymatic process using microorganisms from silk worm wastes.
- Extraction of *Thermomyces* - yellow pigment producing fungi.
- Process of amino acid extraction from azolla by bacterial microbes.
- Separation of proteins from yeast waste by bacterial enzymatic process.
- Control of yellow disease in sugar cane by *Colletotricum falcatum* fungi by production of soralin antifungal compound.

Environmental science

- Developed technologies for safe utilization of distillery spentwash in dry land agriculture. It has been demonstrated that the application of distillery spentwash at 100 kL per ha followed by two ploughing was very effective in improving the germination, growth, nutrient content and yield of crops. Continuous monitoring of the spentwash applied farmers fields was done by piezometer studies.
- Slope stabilization Technology is a technology involving combination of vegetation and Gabion structure to protect slope from rainfall erosion. It was released as a management technology during 2008-2009. The planting of top slope with *Leucaena leucocephala* and *Cassia siamea*, middle slope with *Ailanthus excelsa* and *Dalbergia sissoo* and bottom slope with *Muntingia calabura* and *Melia tubia* established well under mine spoil slopes.
- A biochar-technology for mitigation of green house gaseous emission by carbon sequestration in agricultural fields was developed and its performance was evaluated. Application of Biochar was found to reduce the CO₂-C emission by 31 to 36 % under intermittent wetting and drying, and 47 to 54 % under continuous submergence. It also

significantly reduced (49 % reduction) the CO₂-C emission from garden land soil. The CH₄ flux was reduced by 20 % and 45.8% respectively, when the biochar was applied at a rate of 2.5 and 5 t ha⁻¹ to the soil under submerged condition. The amount of C sequestered due to biochar application varied from 2501 to 4919 kg ha⁻¹ under intermittent wetting and drying, and 2552 to 5151 kg ha⁻¹ under submerged conditions. The C sequestration in garden land soil under maize due to biochar application ranged from 2644 to 5431 kg ha⁻¹. When the biochar (2.5 t ha⁻¹) was applied along with vermicompost (5 t ha⁻¹) and NPK fertilizer, there was a remarkable improvement in rice grain and maize yield.

- NADP programme has been implemented in the year 2009 - 2011 in 18 districts of Tamil Nadu Viz., Cuddalore, Erode, Pudukottai, Sivagangai, Theni, Trichy, Trinelveli, Vellore, Virudhunagar, Salem, Dharmapuri, Krishnagiri, Namakkal, Perambalur, Dindugul, Ramanathapuram, Villupuram and Coimbatore Districts. The farmer's beneficiary programmes on Organic farming technique as well as Organic manure production were initiated by TNAU. A total of 25,900 farmers have been trained.

Standardized the technology for the eco friendly utilization of coffee pulp wastes

An integrated treatment technology has been developed for the effective utilization of coffee pulp waste. The production of an enzyme, pectinase from coffee pulp wastes utilizing pectinolytic microbial cultures has been used as a fruit juice clarifier in industries. Technology has been developed for the enrichment of compost and production of vermicompost by utilizing coffee waste. Process parameters were optimized for producing maximum amount of biogas from coffee pulp waste.

Standardization of technique for nitrogen conservation in poultry droppings

Effective methods with the use of organic amendments were standardized for the conservation of nitrogen from poultry waste during composting. Among the different methods, anaerobic composting of poultry droppings along with coir pith and elemental sulphur at 20:2:1 ratio for 60 days found to reduce the loss of nitrogen by 22%.

Standardization of TNAU panchagavya

The scientific rationale behind the use of panchagavya has been assessed and formulation for TNAU panchagavya has been standardized and the role of plant growth regulators and beneficial microbes were established and the technology was commercialized.

Nano Science and Technology

- Synthesized laboratory scale nano-fertilizer composite that is capable of providing macro- and micronutrients at desirable proportion besides improved nutrient use efficiencies.
- Fabricated controlled release nano-encapsulated herbicide for weed management in rainfed agriculture. The encapsulated herbicide releases its active ingredients coincides with the rainfall.
- ZnO nano-particles improved vigour and viability of seeds.
- Achieved “nano-emulsion of neem oil” for enhanced insecticidal properties. The emulsion is effective against aphids, thrips and mites.
- Nano-film has been developed in order to improve the shelf life of fruits and vegetables.

5.6. WATER TECHNOLOGY CENTRE

Mandate

Water Technology Centre (WTC) at Tamil Nadu Agricultural University (TNAU), one among the three centres in India, was established in 1982 to cater to the needs of the Southern region in relation to research, extension and teaching. It plays a lead role in making an assessment of the available resources of water and economic utilization for maximizing agricultural production with suitable on - farm water management practices developed for different situations. An Advanced Training Centre presently known as Centre of Excellence for Training (CET) for dissemination of water management technologies at State / National / International level is also functioning as a part of the Water Technology Centre.

Achievements

Ground Water Utilization

- In Parambikulam Aliyar Palar (PAP) basin, the water levels fluctuated between 0.05 - 9.68 m. It was highest in 2004 with 9.68 m in well W63716 and lowest fluctuation was 0.05 m in 2001 in W63715. The total area under 15 observation wells is 1361.34 sq.km.
- The groundwater recharge is estimated in the PAP basin varying between 3.39 - 21.61% with an average recharge of 10.94%. The recharge was found highest in the year 1992 and lowest in the year 2000. The recharge contribution is varying with rainfall and water withdrawal pattern in the area. This recharge contribution is not sufficient for sustainability of groundwater resources in the basin.
- The major crop in the area is coconut followed by mango under plantation crops with drip irrigation system. Other agricultural crops such as cotton, maize, groundnut and vegetables are also grown in the command area. The crop details of 4 (L) distributory for both A and B zones were collected for water balance study.
- The basic information like geology, hydrogeology, types of aquifers, behaviour of groundwater levels, recharge techniques etc. pertaining to Tamil Nadu were collected to prepare guidelines for artificial recharge in Tamil Nadu.
- There was no rainfall during January except 2004 in the study area. During February also, there was no rainfall for last 10 years except 2003 and 2008. Study area received rainfall during June, July and August in all the years except 2003. The study area received significant amount of rainfall during October and November in all the years.
- In Vadasithur, among 1748.48 acres, 1604.2 acres are under dry land condition. The major crops of the area are Sorghum and coconut. The cropping details, pumping details and their socio economic condition details are being collected in all the villages of the watershed.

- The results of assessment and management of groundwater quality in Parambikulam Aliyar basin indicated that majority of the soil samples were low in organic carbon and available nitrogen and high in available phosphorus and potassium. Most of the soil samples exhibited the micro nutrient deficiency.
- The most dominant cat ion in the water samples was sodium followed by magnesium, calcium and potassium. Magnesium dominated water type were being observed in majority of the samples. The amount of potassium was very negligible compared to other cat ions. With respect to anions, chloride domination was clear followed by bicarbonate, carbonate and sulphate. Total hardness values indicated that most of the samples were deficient of calcium and magnesium. Salinity persisted in the basin and sodicity was observed among the samples. Possibility of salt accumulation in irrigation pipes was observed from Langlier Saturation Index (LSI). When compared to October 2010 water samples, the post monsoon water sampling during January 2011 indicated that in most of the samples cat ions like sodium, potassium, calcium and magnesium were reduced, whereas the anions like carbonate, bicarbonate, chloride and sulphate were not shown much variation between the four seasons of sample collection. The increase or decrease in the salt content of the water samples were positively correlated with the water table / level of the open or bore wells. Contents of micronutrients and heavy metals in all the 35 water samples were within the critical limit. Among the heavy metals, lead was not found in the water samples.

Sub - surface drip biogation in aerobic rice

Under aerobic rice conditions, provision of sub - surface drip fertigation (10 cm depth) scheduled at 125% PE for clay soil / 150% PE for sandy soil along with fertigation of *Azophosmet* and seaweed extract each @ 500 mL ha⁻¹ during panicle initiation and flag leaf stages recorded significantly higher mean grain yield (14.2% more than the conventional irrigation) and B : C ratio of 2.65.

Effect of 'Invinsa' (1 - Methylcyclopropene 1 - MCP) on growth and yield of rice

The granular application of 'Invinsa' @ 20 g a.i ha⁻¹ recorded an increased rate of photosynthesis, grain yield and its attributes. The yield increase was found to be 10.3 per cent over the untreated check. Foliar spray of WP formulation of 'Invinsa' @ 10 g a.i ha⁻¹ enhanced the grain yield by 28.9 per cent over the untreated control in DS (2011) rice owing to increased photosynthetic efficiency and other yield attributes tried.

Optimizing lateral spacing for drip fertigation in aerobic rice

During 2011 - 2012, higher grain yield of 5793 kg ha⁻¹ was registered with the treatment of lateral distance of 0.8 m, with the rows spaced at 20 cm and spacing between plants at 10 cm, when the aerobic rice is drip fertigated. This increased yield was 25.6 per cent more than the conventional irrigation (4612 kg ha⁻¹).

Tamil Nadu Irrigated Agriculture Modernization and Water Bodies Restoration and Management (TN - IAMWARM) Project - TNAU

During 2012 - 13, demonstrations were carried out in System of Rice Intensification (SRI) in an area of 3383 ha and Improved production technologies were demonstrated in Semi - dry rice (210 ha), pulses (4334 ha), groundnut (455 ha), chillies (122 ha) and cotton (25 ha). Besides, Precision Farming was demonstrated in 227 ha in crops such as sugarcane, vegetables and turmeric. The total out lay of the year 2012 - 13 is Rs.1092.45 lakhs.

5.7. FORESTRY

- Among the nine intercrops tried under *Melia dubia*, the following intercrops viz., cowpea and groundnut were found to be compatible with *Melia dubia*. All the intercrops except gingely fetched B : C ratio of more than 2.0.
- Among the six intercrops tried under *Bambusa vulgaris* at three different spacing, pulses were found to be compatible and profitable for bamboo based agroforestry system.
- Under evaluation of profitable agrisilvicultural system for different agroclimatic regions of Tamil Nadu the results for the North Eastern Zone of Tamil Nadu revealed that the highest benefit cost ratio of 3.13 : 1 was obtained from brinjal and the lowest from vegetable cowpea 2.50 : 1 and for the Western Zone, the highest benefit : cost ratio of 3.02 : 1 was obtained from brinjal and the lowest from vegetable cowpea 2.35 : 1.

5.8. HOME SCIENCE

Developing community based approach for prevention of anemia among young rural women in Virudhunagar district

The survey was conducted and data were collected from 209 respondents in the selected villages such as Allalperi, Atchankulam, Mudukkankulam and Manthoppu at Virudhunagar district. Weekly meetings were conducted to explain on the importance of colostrums, significance of exclusive breast feeding, nutritive value of weaning foods for infants, importance of hygiene and sanitation for prevention of childhood illness etc.

Lentil scheme – Using green lentils in traditional Indian foods

Survey on lentil usage was carried out at household, end users, pulse traders and processors level in ten districts of Tamil Nadu. Sweets (laddu, boondhi, mysore pak, burfi, cheeyam, payasam, sweet sev, jangiri and boli) savories (fried dhal, mixture, vadai, murukku, bhajji and kara boonthi), and convenience foods like appalam, appala poo, noodles and khakra from lentil dhal were standardized.

Standardized nutraceutical ready to use and cook foods incorporating dried *Solanum* leaves

Standardized nutraceutical ready to use and cook foods incorporating dried *Solanum* leaves at different proportions. The products namely rotimix, dosa mix, khakhra, rice mix, chutney mix, cookies and noodles were standardized. The products had high consumer acceptability when compared to control, the nutrient content of the products were enhanced. The nutrient content of the leaves were assessed. It was found that, the dried leaves had 25.95 g protein, 5.12 g crude fibre, 10.50 mg vitamin C and 23148 mg β - carotene. The phytochemical examinations showed the leaves contain higher amount of phytochemicals namely glycol alkaloid, total alkaloid, tannin, saponin and antioxidant activity.

Resurvey of 100 tanks and 1000 households in South Tamil Nadu: A socio economic study

The study area had predominantly agriculture as their main livelihood occupation in the early 2000. But our present survey revealed that respondents have diversified their livelihood strategies vastly from agriculture to subsidiary agriculture, on farm and off farm activities. In case of agriculture, they switched from paddy dominated agriculture to rain fed agriculture which was dominated by maize, sorghum, pearl millet and other minor millets.

Suitable drying technology for processing of tomato

Technology was standardised for the development of tomato powder from dehydrated tomato pieces and puree of Country variety and Bangalore variety. Tomato

powder prepared from dehydrated pieces of Bangalore variety recorded maximum yield and rehydration ratio. The moisture content ranged between 4.68 and 6.00 per cent. The pH and acidity were in the range of 4.62 to 5.21 and 5.53 to 5.75, respectively. The ascorbic acid content was maximum (95 mg/100 g) in Country variety.

Assessment of resistant starch on glycemic index of conventional and pressure cooked rice

The physicochemical characteristics viz., water absorption, cooking time, elongation ratio and expansion ratio, resistant starch, protein, fat, fiber, ash content of selected rice varieties (ASD 19, ADT 39, ADT 45, IR 72, CO 36, CR 1, Ambai 16, Ambai 36 and IR 50) were analyzed. The amylose fraction of the selected rice varieties ranged between 18.2 to 26.0 (% starch) respectively. Glycemic index of the selected rice varieties was evaluated among ten healthy volunteers with pure glucose as the reference food.

Screening of blackgram (*Vigna mungo*) varieties suitable for selected South Indian traditional foods

Blackgram varieties viz., VBN 3, VBN 4, VBN 5, VBN 6, ADT 3 and T 9 were screened for physicochemical characteristics. The varieties were also studied for pasting properties (pasting temperature, peak viscosity, hold viscosity, final viscosity, break down value and set back value) using the rapid visco analyser. The blackgram varieties (VBN 6 and VBN 4) showed maximum values for pasting temperature, peak viscosity, hold viscosity, final viscosity, breakdown value and set back value. Blackgram varieties viz., VBN 5 recorded maximum values for protein, starch, calcium, phosphorous and iron (28.58 g, 31.38 g, 134.00 mg, 416 mg and 4.50 mg / 100 g respectively).

Utilization of rice bran in the development of beverages

After stabilization of rice bran, the beverage had a good flavor throughout the period of study. Beverage with 5% rice bran and 0.5% corn starch and flavored with almond had the highest scores for all the quality attributes. Heating of sealed bottles under pressure for 5 min extended the shelf life of the beverage to 21 days at 7⁰ C. There was no spoilage after 21 days but the taste began to change. The chocolate flavored drink was the best after 21 days of storage. Beverages were prepared by using the rice bran extract by mixing rice bran and water in the ratio of 1 : 3 and 1 : 4 and stirred at 60 °C for 15 min, filtered and centrifuged. The total antioxidant capacity of the rice bran extract ranged from 122 – 237 µg/g and was about 58 - 87 percent lower than the total antioxidants in the rice bran. The flavor, taste and over all acceptability of the milk and rice bran extracts in the ratio of 3 : 7 was found to be higher than the others.

Consumer perceptions about handloom Vs power loom fabrics for apparels at Madurai city

The majority of consumers belonged to middle income group (83%) and the remaining 17% to high income group. Among preference of handloom and / or powerloom fabrics for children, most of the consumers' preference was for power looms. Majority of the consumers indicated that the combination of features like design, variety, cost and comfort and variety, colour and ease of maintenance which attract them to purchase power loom fabrics. Major factors which influence the purchase of power loom are friends, traditional practice of purchase, television and ease of maintenance (58%).

Processing of pummelo (*Citrus andis* – Syn: *Citrus maxima*) - An under exploited fruit

The study was conducted to develop novel value added products from pummelo and to analyse the chemical constituents during storage at ambient temperature. Standardization of value added products from pummelo fruits such as pickles, preservation of pummelo segments / pieces in acidified brine was studied. The fresh pummelo fruit was analyzed for its physio - chemical characteristics. The pummelo fruit had rind (42.68%), white segment membrane (7.13%), seed (1.90%) and juice vesicles (48.28%). The chemical characteristics of fresh pummelo fruit was analysed and was found to contain the moisture content (90%), acidity (0.98%), pH (3.9) , TSS (10° Brix), reducing sugar (2.79 g), total sugar (6.77 g), ascorbic acid (26.62 mg / 100 g), β- carotene (20 µg / 100 g), crude fiber (0.6 g), ash (0.55 g) and calcium (28 mg) per 100 g of edible portion. Standardization of value added products from pummelo fruits is being undertaken.

Formulation of antioxidant rich snack foods

A trial was carried out to develop a millet based extruded snack product. The main ingredient of the snack was corn, oats and amaranths seed. The moisture and salt content of the extruded product was 10 and 2 per cent, respectively. The dough was extruded at a temperature of 100° C and the screw speed of 240 rpm. The sensory evaluated extruded was not acceptable with hard texture and unacceptable mouth feel. In the second trial, the seeds were roasted and made into flour and thenai was incorporated.

A study on the impact of SHGs on empowering women

The TNAU supported study was conducted in Kodikulam village of Madurai district. Two groups were selected and 30 respondents from each group were selected.

The respondents before joining in the group were not able to make their own decision, neither they had courage to spend for domestic expenses nor possess problem solving skill. But after joining as a group member they had increased level of participation (100%), improved leadership quality (100%) and improvement in problem solving skills

(100%). Moreover, majority of the respondents (83.30%) made their savings in post office. Through this, the SHG members developed the courage to spend on purchase of equipments (80%), approaching banks for loan (90%), savings (8.30%), spending money for education (83.30%), spending money for their son/daughters marriage (90%) to start their own business (100%) and to improve the standard of living.

Other important Extension Activities

Rural Home Science Work Experience Programme (RUHWEP 2011)

Rural Home science work experience programme was conducted for the 20 final year B.Sc (Home Science) students during July, 2011. The students interacted with the villagers, conducted demonstrations, exhibitions, lectures on weaning food, importance of local middle schools and primary education, child health, employment opportunities to home makers, preservation of food and general hygiene. The diet pattern in the village was also studied.

Millet Food Court

Realising the importance of millets in food basket, the department of Home Science Extension in Home Science College and Research Institute, Madurai established a Millet food court in college premises. Millet based convenience food mixes namely multi purpose snacks mix, multigrain adai mix, millet based health mix, kali mix, cookies, karasev, varagu flakes etc., were put on display for sale in the Millet food court.

World Food day celebrations

The World Food day (16.10.2011) was celebrated at Home Science College and Research Institute, Madurai on 02.11.2011. The theme of the World Food Day 2011 was Food Prices – From Crises to Stability.

5.9. SEED CENTRE

Seed Production

The breeder, foundation, certified and truthfully labeled seeds were produced and distributed through Seed centre as follows based on the timely planning, allocation and distribution to the various organizations involved in seed production and to the farmers.

Indent and supply of breeder seeds during 2011 - 12

(Quintals)

Crop/Variety	GOI		State		Private		Total	
	Indent	Distn.	Indent	Distn.	Indent	Distn.	Indent	Distn.
Paddy	41.75	23.15	112.25	112.75	905.28	1084.44	1059.28	1220.34
Millets	-	-	3.74	5.33	0.89	0.39	4.63	5.72
Pulses	29.50	13.00	290.08	200.97	41.66	13.97	361.24	227.94
Oilseeds	271.94	98.90	358.50	274.14	0.15	24.03	630.59	397.07
Cotton	-	-	1.90	2.69	0.26	4.66	2.16	7.35
Total	343.19	135.05	766.47	595.88	948.24	1127.49	2057.90	1858.42

Foundation, certified and truthfully labelled seeds production during 2011 - 12

(Quintals)

Crop	Foundation seed	Certified / truthfully labelled seed	Total
Paddy	3351	4687	8038
Millets	0	26	26
Pulses	151	46	197
Oilseeds	1	41	42
Green manure & Vegetables	0	89	89
Total	3503	4889	8392

Planting material

Crop	Quantity (No. in lakhs)
Sugarcane	4.84
Forage crops	1.66
Other crops	18.25
Tissue culture plants	
TC Banana	4500
Cassava	850
Total	5374.75

Infrastructure development

Under GOI – Central sector scheme, 174.00 lakhs have been obtained and distributed to various centres viz., ARS, Bhavanisagar (Rs. 37.5 lakhs), ARS, Vaigaidam (Rs.75.5 lakhs), TRRI, Aduthurai (Rs.35.0 lakhs), ADAC & RI, Trichy (Rs. 25.0 lakhs), AC & RI, Madurai (Rs.0.5 lakhs) and Seed Centre (Rs. 0.5 lakhs) for establishment and strengthening of Seed testing laboratory, DNA finger printing laboratory, Grow out test farm and for conducting training to stake holders, seed producers, seed certification officials and farmers.

- Under graduate laboratory and postgraduate class room have been renovated.
- Library of Department of Seed Science and Technology was strengthened with additional purchase of books for about Rs.2.0 lakhs under ICAR Development Grant. Internet facility is also provided in the department library.

Seed production technologies developed

- Designer seed technology for integrated seed treatment in pulses.
- Drip irrigation and drip fertigation on seed yield and quality in bhendi and maize.
- Customizing nanoparticles for the maintenance of seed vigour and viability in blackgram.
- Molecular techniques for identification of genetic purity of cultivars.
- Modified atmospheric storage with CO₂ for pest control in different seeds.
- Bio priming techniques for enhancing seed quality characters in paddy and maize.

Trainings organized

Sl. No.	Training	No. of days	Month & Year	Funding Agency
1.	Popularization of hybrid rice seed production technologies for enhanced income generation to farmers	3 days	August 2011	NABARD
2.	Two Tribal Trainings - Training to tribal community in seed production and storage	One day	March 2012	NSP (Crops)
3.	Capacity Building for Seed Certification Officials of Orissa and Organic Products Certification Agency on Technologies on Seed Certification, Testing and Seed Law Enforcement	5 days	July 2011	Government of Orissa
4.	National Training on Molecular Characterization of GMOs and its purity testing	21 days	December 2011	GOI, NSRTC, Varanasi
5.	NADP (RKVY) – Phase III - Farmers participatory seed production demo on pulses and oilseeds (28 centres).	300 days (300 Nos. one day training)	2011 - 12	NADP

Patents applied

Sl. No.	Title	Name of the Scientists	Application No. & Date
1.	An accurate, economical, fast track, DNA finger printing based genetic purity testing technique for commercial seed lot	Dr. R. Jerlin Dr. R. Umarani Dr. N. Senthil Dr. M. Raveendran	2270/CHE/2011 dt. 04.07.2011
2.	Bio-priming for maize as complete specification	Dr. K. Vanangamudi Dr. V. Manonmani S. Kalaivani S. Kavitha, C. Karthika	In process
3	Bio-priming for rice as provisional specification	Dr. K. Vanangamudi Dr. K. Prabakar Dr. V. Manonmani S. Kalaivani S. Kavitha, C. Karthika	In process
4	Seed taping	Dr. R. Umarani Dr. R. Jerlin Dr. M. Bhaskaran	In process

5.10. PLANNING AND MONITORING

The Planning and Monitoring unit of TNAU functions as an independent directorate since January 2003. The major focus of this directorate is on planning, monitoring and evaluation of various development programmes and activities of the Tamil Nadu Agricultural University.

This directorate monitors and evaluates the growth and development of colleges, directorates, departments, research stations, Krishi Vigyan Kendras and other units of TNAU and suggests special schemes which will improve the research and resources of the university.

As a liaison unit between the university and Government departments, this directorate processes new research scheme proposals for getting funds from the Government and takes steps for implementing various schemes for the benefit of the farming community.

This directorate is also involved in preparing and reporting the monthly progress of various schemes funded by Government of Tamil Nadu. The preparation of Governor's Address, Budget Speech, Citizen's Charter, Policy Note, follow up action on announcement made by His Excellency Governor of Tamil Nadu, Hon'ble Minister for Agriculture, reports for review are also carried out by this directorate.

The Directorate of Planning and Monitoring shoulders the responsibility in preparing the annual report of the university both in Tamil and English and send it to the Government of Tamil Nadu before the budget session of Legislative Assembly, every year.

Various day to day activities of the University is published for the information of our stakeholders by way of TNAU News Letter, every month.

5.11. DIRECTORATE OF AGRI BUSINESS DEVELOPMENT

Mandate

- To provide single window access for all agribusiness related activities within TNAU, through consultancy, consortia and incubation programmes.
- To commercialize TNAU products and technologies.
- To provide market linkages to growers, processors, domestic distributors, exporters and importers, and reinforce their capacity to meet market demand.
- To undertake capacity building programs for enabling farmers, SHGs and others to take up agribusiness ventures.
- To conduct seminars and workshops on agribusiness development so as to recommend policies for the consideration of the Government.

Commercialization of Technologies / Products through NAIP-BPD Unit

During 2011-12, a total of 23 entrepreneurs have been enrolled as members and four technologies were commercialized.

Sl. No	Company	Technology Commercialized	Amount (Rs.)
1.	M/s Basaras Biocon (India) Pvt. Ltd, Chennai	SRI power weeder	1,00,000
2.	M/s Rich Phytocare Pvt.Ltd, Theni	SRI power weeder	1,00,000
3.	M/s Unique Fabricators, Coimbatore	Solar Crop Drier	1,00,000
4.	M/s Melwin Engineering, Coimbatore	TNAU stored grain insect management kit (New version)	15,000

Venture Capital Scheme

As on date, 159 Venture Capital Schemes are being operated in various departments, directorates, colleges and research stations of TNAU to provide quality agricultural inputs like seeds, seedlings, grafts, organic compost, bio-fertilizers, bio-control agents, coconut tonic, human resource development and custom hiring of agricultural implements at a nominal cost. During 2011-12, a total number of 19 new schemes have been sanctioned with a budget provision of Rs.118.26 lakh.

6. DIRECTORATE OF EXTENSION EDUCATION

The Directorate of Extension Education (DOEE) is primarily responsible for expeditious transfer of the latest technologies emanating from various research programmes of the Tamil Nadu Agricultural University to the farming community and extension personnel.

Krishi Vigyan Kendras (KVKs)

Krishi Vigyan Kendras are functioning in all the districts of Tamil Nadu except Chennai and Tirupur. Out of 30 KVKs, 14 KVKs are under Tamil Nadu Agricultural University and are located in Madurai, Trichy, Villupuram, Cuddalore, Pudukottai, Vellore, Kanyakumari, Salem, Ramnad, Nagapattinam, Tiruvallur, Tiruvarur, Virudhunagar, and Dharmapuri, Three KVKs (Kancheepuram, Namakkal and Sivagangai) are under TANUVAS, 11 KVKs are under Non-Governmental Organizations (NGOs) and 2 KVKs (Coimbatore and Dindigul) are under Deemed Universities. Directorate of Extension Education is entrusted with the responsibility to provide technical backstopping to all the 30 KVKs in Tamil Nadu.

In addition to the regular KVK mandated activities, NICRA project has been sanctioned to four KVKs in Tamil Nadu (Villupuram, Nagapattinam, Ramanathapuram and Namakkal) and the programme was also successfully launched in all four centres during this year to provide climate led extension strategies to stakeholders.

Interface Meeting of KVKs with all stakeholders was organized on 18th November 2011 at Thanjavur to bring synergy and convergence in agriculture by involving all the stakeholders including the Hon'ble Minister for Agriculture, APC & Secretary, Commissioner of Agriculture and line department officials, NGOs, programme coordinators of KVK and farming community.

Intensive multiplication of Papaya Mealy bug parasitoids were undertaken in all the KVKs and supplied to farmers on free of cost. Because of this intervention, papaya mealy bug was successfully controlled in Tamil Nadu.

Training Division

Trainings to extension personnel were conducted on 36 important topics. Trainings were also organized for the benefit of farm women and self help group members on 23 agriculture and allied topics. Training to probationary Deputy Collectors, Deputy Registrars of Cooperative Societies are also organized through the Training Division. Training on agriculture and allied enterprises are also organized for the benefit of Panchayat Presidents, Councillors in collaboration with Department of Rural Development, Govt of Tamil Nadu.

State Agriculture Management and Extension Training Institute (SAMETI)

State Agricultural Management and Extension Training Institute was established at TNAU as an autonomous institute to give technical backstopping to ATMA and Extension Reforms programmes in Tamil Nadu. The key activities are;

- Intensive training programme on technical and managerial skills to the State Department of Agriculture and line department officials were organized through SAMETI.
- Trainings for newly appointed Agriculture Officers were organized under Macro Management Mode training programme.
- Two training programmes for District watershed technical team were organized with the help of DPAP programme and 63 trainees participated.
- Gender Sensitisation Module to cutting level extension functionaries were organized with financial support from National Gender Resource Centre in Agriculture, Ministry of Agriculture and Cooperation, GOI, at 14 KVKs of Tamil Nadu.
- Post Graduate Diploma in Agricultural Extension Management programmes were also organized in collaboration with MANAGE, Hyderabad.
- Collaborative training programmes were also organized with support of MANAGE, Hyderabad.

Department of Market Extension

Market Extension Department was established during 2008 at the Directorate of Extension Education with the objectives of formation of Commodity Groups of farmers, providing technical guidance on production and marketing, arranging Buyer-Seller Meets, building capacities of the personnel involved in Government Marketing Directorates, providing the prices of commodities to farmers for enabling them for efficient marketing, organising melas for empowering them on efficient marketing, etc.

Stakeholders involving Commodity Groups of Horticulture crops of Coimbatore District, Buyer- Seller Meets for the Fruits and Vegetable growers across the State, Capacity Building programmes on Production and Marketing to the Joint Liability Group members promoted by NABARD, Entrepreneurial training on production and marketing of oilseeds and pulses to the growers across the State, a mega GOI sponsored Regional Agricultural Fair under the theme "Market Led Agriculture" involving all the Southern States, co-ordinating all the Fairs involving CIG members and KVKs under Public-Private Partnership mode, capacity building programmes for the Marketing Department Personnel, providing the daily markets prices to thousands of farmers thro' DMI, exposure visit of farmers to leading markets etc., were taken-up. Training programme on Agricultural Marketing Awareness in collaboration

with National Institute of Agriculture Marketing, Jaipur was also undertaken by the Department of Market Extension for facilitating efficient marketing of agricultural commodities.

Other Important DEE Activities

State Level Farmers Day

The Directorate of Extension Education conducts state level farmers day at the University campus to show the results of new experiments on various aspects of agriculture to the farmers and to get their feedback about the on-going research programmes. This is an annual activity held for two days during the crop season. The event is of great significance to the farmers as the University uses this platform for releasing new crop varieties and farm implements. AGRI-INTEX programme was also organized at International level in collaboration with CODISSIA, Coimbatore. Agri-Horti Fair and Agri Fair were also organized at Coimbatore with support of local private agencies and Dinamalar newspaper agency respectively, to create awareness about latest agricultural technologies among the farming community.

State Level Seminar on Attracting Youth towards Agriculture

State level seminar on attracting youth towards agriculture was organized on 29th December 2011 at TNAU to sensitize the youth and to retain them in agriculture activities.

Agri-tech Portal (<http://agritech.tnau.ac.in>)

This dynamic portal holds around three and half lakh pages in Tamil and English with multiple media content. The Portal (<http://agritech.tnau.ac.in>) has been dedicated to service on 27th Sep, 2009 for the benefit of field extension officials and other stakeholders. As on date, the total number of viewers of portal is 6,52,345, daily visitors 450 (approximately), average time on site 12-18 minutes, Number of page hits / day 35-60 pages, e-Mail Queries 1865, New Visitors / day 125-140 (approximately) and updation is on daily basis. Currently, the Government of Tamil Nadu has taken-up the portal initiative as flagship programme under National e-Governance and Tamil Nadu State e-Governance to share all developmental programmes for the well-being. TNAU agritech portal has also been awarded the 'Best e-governance agri portal' by Government of India. E-connectivity is also being established in 60 TNAU centres for providing e-Extension Services through TNAU Agri tech Portal. The main HUB (TNAU, Coimbatore) is being connected with the 60 Centres of TNAU (14 KVKs + 36 RRS/ARS/HRS + 10 Colleges) for information sharing and exchange. Regular interaction meetings between scientists, farmers and extension workers are being organized through this video conferencing facility.

Dynamic Market Price Information for Agri-Horti Producers (www.indg.in / www.tnau.ac.in)

Dynamic Market Information for 13 important south Indian markets; namely, Chennai, Bangalore, Coimbatore, Mettupalayam, Hosur, Thalaivasal, Trichy, Kumbakonam, Madurai, Tirunelveli, Oddanchathiram, Cochin and Panruti for 153 commodities are being uploaded regularly in the web. The market price information is also being sent to 42,000 farmers through mobile. A major traders database has also been uploaded in the website.

Expert System for Agriculture and Animal Husbandry

ICAR Network project on development of expert system for agriculture and animal husbandry is being implemented in this e-extension centre. Expert System for paddy, banana in precision system, coconut, ragi and sugarcane have been developed in English and Tamil version. Work on translation into Malayalam and Kannada is in progress. Expert system for animal husbandry is also being developed in this centre in the above languages.

NAIP – Development of ICT Tools / Technology towards an interactive multimedia based agro advisory system

NAIP project on Development of ICT tools / technology towards an interactive multimedia based agro advisory system is also being developed with partnership of IIT, RTBI, Chennai and partners from Dharmapuri Precision farm agro service limited, Erode Precision farm Producers Company limited and National Agro foundation. Individual farm historian databases for 1200 farmers were created and put online. Mobile software for providing mobile based agro advisory service is also being developed and to be integrated with farm historian database for providing farm specific agro advisory service.

NAIP Mass Media for sharing agro information

Mass media for sharing agro information is also being implemented in this centre. Video modules on Dutch Rose in open field cultivation, Ultra hi-density mango cultivation, Organic farming and turmeric processing technologies were developed. District and State level exhibition were also organized to showcase the TNAU technologies for the benefit of the farming community. Innovative technologies and successful technologies were also scouted and published in the leading newspapers with the help of reputed farm journalists.

TNAU – Nokia Project on Harness Mobile Technology in Agriculture

The project on 'Harness mobile technology in agriculture' was also successfully implemented during 2010-11 in collaboration with Nokia Research Centre, Bangalore. Nokia Kisan software was developed and tested in the farmers' field to give push and pull service of mobile agro advisory service to farming community viz Nokia ovi life tools.

TNAU – IFPRI Knowledge Portal

TNAU e-extension centre has also developed exclusive Knowledge portal for advancing agriculture production and productivity for the Indian farmers in collaboration with IFPRI. The location specific information for Thanjavur and Tiruvarur, national technologies and global technologies were also loaded in this portal (<http://www.wiki.tnau.ac.in>).

Agricultural Technology Information Centre (ATIC)

Agricultural Technology Information Centre in the Directorate of Extension Education started its activities from 2001. As a single window delivery system it provides agricultural information, products and technologies developed by the University to the farmers. It is also rendering services to the visiting farmers through advisory services. In addition, farmers with plant clinic problems are also attended with suggestions on suitable management measures.

Uzhavarin Valarum Velanmai

'Uzhavarin Valarum Velanmai' a monthly Tamil Farm magazine of Tamil Nadu Agricultural University, Coimbatore is being published from the Directorate of Extension Education, since 1975 for the benefit of the farming community and other stake holders. The reader base is very large and diverse and the total subscribers of the magazine are more than 9988. Out of this, 5,476 are the life subscribers and 4,512 are the annual subscribers.

Community Radio Station

Velaan Palkalaikkazhaga Vivasayee FM at 107.4 MHz

Community Radio is an effective tool to disseminate the farm technologies to the farming community living around 18 km from the Radio Station. The instantaneous information on weather, market prices, forecast for sowing in relation to marketability etc., are being broadcast apart from the technical guidance by scientists, experiences of farmers form the broadcast content of every day. One such Community Radio Station was established in TNAU during 2010 and this Radio is functioning as" Velaan Palkalaikkazhaga Vivasayee FM" at 107.4 MHz frequency. Daily broadcast of 6 hours containing the above information is made by which around 10,000 farm families residing in 22 villages around TNAU campus are benefitted.

University Press

The university press is functioning under the control of Directorate of Extension Education, TNAU. Major activities undertaken by the press are compilation of TNAU News letter, TNAU Annual Report, Annual Account books, Pamphlets and books related to research findings. Further, course materials of ODL programme is also printed here.

TNAU Krishi Vigyan Kendras

Trainings Conducted

Trainings	No. of trainings conducted					No of Farmers benefitted			No. of SC/ST Farmers benefitted		
	Name of the KVK	On campus	Off campus	Vocational	Rural Youths	Sponsored	Male	Female	Total	Male	Female
Virudhunagar	61	23	13	6	3	1336	1535	2871	194	229	423
Cuddalore	414	413	9	96	51	1336	1535	2871	194	229	423
Dharmapuri	33	25	17	51	135	16255	6268	22523	1611	1321	2932
Madurai	151	73	12	43	28	5590	3109	8699	1951	1854	3805
Nagapattinam	36	16	2	1	18	2338	552	2940	421	98	519
Tiruvarur	21	29	5	5	34	2239	488	2727	229	94	323
Kanyakumari	55	69	6	11	8	1747	1314	3061	276	169	445
Ramanathapuram	22	19	11	11	2	458	547	1005	296	246	552
Salem	118	66	6	7	21	327	172	499	4723	1975	6653
Trichy	48	32	4	12	76	5075	1167	6242	553	170	723
Thiruvallur	139	90	8	43	17	5948	2297	8245	1221	600	1821
Pudukkottai	32	54	17	12	8	2567	1525	4092	261	221	482
Vellore	27	21	06	07	401	2807	944	65775	1193 0	7206	19101
Villupuram	85	37	6	1	29	4065	747	4812	883	279	1162

Demonstrations Conducted

Trainings	No. of OFT/FLD and other activities conducted					No of Farmers benefitted			No. of SC/ST Farmers benefitted		
	Name of the KVK	OFT	FLD	Precision Farming	Exhibitions/ Field days	Other Extension activities	Male	Female	Total	Male	Female
Virudhunagar	8	16	-	18	442	1606	790	2396	339	166	505
Cuddalore	6	14	70	63	1217	1606	790	2396	339	166	505
Dharmapuri	6	10	10	22	483	45765	12028	57793	1277	860	2137
Madurai	7	12	20	32	633	2365	703	3068	467	400	867
Nagapattinam	5	12	-	21	881	7208	2128	9336	1271	378	1649
Tiruvarur	5	12	8	15	1120	9281	3796	13077	617	403	1020
Kanyakumari	6	10	--	11	501	3525	2387	5912	608	511	1119
Ramanathapuram	6	11	-	2	139	571	170	741	80	33	113
Salem	7	17	1240	80	4944	7932	3142	11074	1289	669	1958
Trichy	7	13	25	11	435	1431	151	1582	154	23	177
Thiruvallur	7	13	-	16	2273	8356	2799	11155	1167	409	1576
Pudukkottai	5	16	-	26	1371	4182	1694	5876	861	432	1293
Vellore	06	13	14	08	450	93828	30578	124406	8469	4450	12919
Villupuram	6	13	11	75	2168	8441	2013	10426	3289	1038	4327

Extension activities of TNAU KVKs

Sl. No.	Extension activities	Number	No. of Beneficiaries		No. of Beneficiaries - SC and ST farmers	
			Male	Female	Male	Female
01.	Scientist visit to OFT fields	1070	3425	926	883	332
02.	Exposure visit	171	4496	1077	1459	636
03.	Field day	178	3833	1390	808	553
04.	Scientific Advisory Committee meeting	11	-	-	-	-
05.	Exhibition	158	10018	4229	2202	1454
06.	Village meeting	267	2411	1328	560	309
07.	Combined field visit	1167	6245	3632	1808	1243
08.	Workshop	53	750	358	176	113
09.	Seminar	46	2446	1121	726	516
10.	Radio	137	-	-	-	-
11.	Television	96	-	-	-	-
12.	Newspaper	390	-	-	-	-
13.	Books	17	-	-	-	-
14.	Booklets / pamphlets	123	-	-	-	-
15.	Research articles	60	-	-	-	-
16.	Research notes	5	-	-	-	-
17.	Tamil articles	173	-	-	-	-
18.	Newsletter	22	-	-	-	-
19.	Farmers visit	29170	18437	6279	3203	1251
20.	Training to Extension Officials	145	2591	697	407	262

Annexure I

LIST OF COMPLETED CIVIL WORKS IN THE YEAR 2011 - 2012

Sl. No.	Name of the work	Estimate (Rs.)
	Tamil Nadu Agricultural University - Coimbatore	
1	Providing Street light arrangements in the Anna Auditorium	25000
2	Attending alteration works in the feeder line at III point of supply	25000
3	Providing electrical installations in the Professor room and office room	25000
4	Attending alteration work in the control panel at V point and RI building	18700
5	Improvement of electrical installation in the golden jubilee hall	14000
6	Urgent repair works to the Ladies Club	20000
7	Supply and fixing of single phase 1.5 HP open well submersible pumpset to the Professors quarters	15000
8	Providing wood chick roller blinds in VC office board room South east portion	15500
9	Providing wood chick roller blinds in VC office board room South west portion	15500
10	Improvements of electrical installations in extension and rural sociology	22000
11	Improvements of electrical installations in the office and class rooms	185000
12	Providing teak wood pillars in the main staircase of Centenary building	25000
13	Providing locks for the rooms in Centenary building	25000
14	Providing additional water supply arrangements to the Centenary building	25000
15	Providing interlock blocks and tower clock elevation works in the Centenary building	24300
16	Providing teak wood hand rails for the main stairs and steel ladder for the clock tower room in Centenary building	25000
17	Providing false ceiling and attending patch works in Ground water lab for WTC	25000
18	Providing additional vent pipes for toilet outlet chambers in Centenary building	21500
19	Providing MS Ladder and Trap door for the lift room in North house	22800
20	Replacement of service line in quarters No. AP-41 to AP-44	23500
21	Supply of Rubberised ready made speed breakers	25000
22	Providing additional electrical installation in the Bee lab	12500
23	Attending alteration works in the Tamizhagam hostel	25000

24	Providing three phase generator supply to the glass house at the insectory	12500
25	Improvements of electrical installation in the AP -19 quarters	25000
26	Supplying and fixing of rolling shutter to the entrance portion of Net house in the department of pulses	25000
27	Providing weathering course concrete to the Net house in the Department of Pulses	11000
28	Providing MS weldmesh grills and supplying of Mangalore tiles to the social service league building	25000
29	Providing erecational pillars and finishing works to the walls in front portion of South house	25000
30	Special repair works in AP - 34 Quarters	25000
31	Improvements of electrical installations in the department of Forage crops	25000
32	Repair and renovation of PVC sewage line from P-25 to AP-28 & AP-29 Quarters	24500
33	Repair and renovation of PVC sewage line and Chambers in AP-8, AP-29, C-85 Quarters	23100
34	Repair and renovation of sewage Chamber from P-25 to P-28, AP-28 & AP-29, C-80 & 85 Quarters	25000
35	Urgent repair works to the Convocation hall	11500
36	Providing flex sheet back drop and Vinyl sheet stickers work for laying of foundation & opening stone for new buildings	25000
37	Renovation of office room in the office of the Dean Agrl. College and Research Institute, Coimbatore	445000
38	Renovation of Classrooms 103 & 104 in the First Floor at RI building	471000
39	Additional works in the implement shed for Farm machinery deparment	95000
40	Renovation of Classrooms 101 & 102 in the First Floor at RI building	438000
41	Renovation of RI building First Floor North East Corner room	250000
42	Providing additional length of chain link fencing for the damaged compound area in Orchard	300000
43	Construction of Lecture hall (First Floor) over the Gene bank building	1000000
44	Providing street light arrangements in the vehicle shed near Botanical survey of India	25000
45	Improvement of Electrical installations in the department of Forage Crops	25000
46	Replacement of burnt out cables in the Field No. 72 motor Feeder and Engineering college feeder line	141000
47	Attending alteration works in the power panel and power wiring at University press	25000

48	Providing electrical installation in the newly established tissue culture laboratory	45000
49	Improvements of electrical installations in the quarters No. AP-19 to AP-24	300000
50	Renovation works in Technology park IV for permanent exhibition hall	25000
51	Providing under ground cable between department of Cotton panel & Department of millet over head line	25000
52	Providing three phase digital energy meters for the incubates room	55000
53	Providing under ground cable power supply to the borewell in the field No. 10 E of Botanic Gardens for the Professor & Head, Floriculture & Landscapping, HC & RI, TNAU, Coimbatore	55000
54	Preparation of plan & Elevation drawing in 2 Dimensies & 3 Dimensies using Autocad for (Horticultural college & Research Insitute for Women at Srirangam constituency - Trichy), TNAU, Coimbatore	24500
55	Renovation of class rooms 101,102,106 & 107 & office room for the Dean, AC & RI, Coimbatore	561000
56	Renovation of Verandah portion of the Directorate of CPPS, TNAU Coimbatore	60000
57	Painting works to the New North house rooms (Room No. 5, GF - Hall, Dinning hall & Kitchen, Wash area)	58000
58	Painting works & minor repair works in Teachers hostel & WTC hostel	350000
59	Improvement of electrical installation in the directorate of students welfare	285000
60	Electrification and providing three phase power supply of the processing lab	100000
61	Preparation of plan & Elevation drawing in 2 Dimensies & 3 Dimensies using Autocad for (Horticultural college & Research Insitute for Women at Srirangam constituency - Trichy), TNAU, Coimbatore	23400
62	Fixing of Floor carpet for the Anna Auditorium Dias	43560
63	Providing additional temporary exhibition stalls for the state level farmers day 2011 in the lawn near technology park	53780
64	Providing additional temporary exhibition stalls for the state level farmers day 2011in technology park 2 & 3	89300
65	Providing pandhal arrangements for the farmers day function	120700
66	Providing agrodynamic poly-house for Garden of meristern an multiplication of plantlorn at the Professor & Head Department of Plant Pathology	400000
67	Attending alteration works in the Night school and Rasi seeds Seminar hall	21000

68	Repair & Renovation of cement plat form infront of Convocation hall	23000
69	Electrification of newly constructed Ground floor Teachers hostel building	1200000
70	Colour washing the Golden Jubilee lecture hall (1,2,3 & 4)	485000
71	Conversion of shade house into a store room in Botanical Garden for the Department of Floriculture & Landscapping, HC & RI TNAU,Coimbatore	225000
72	Construction of Machinery shed in Quadrangle at Department of Soil Science & Agrl. Chemistry, TNAU, Coimbatore	160000
73	Providing Granite flooring to the PG Block Verandah (Front Side) in RI Building	763000
74	Providing Granite flooring to the PG Block Verandah (Back Side) in RI Building	904000
75	Additional brick work and plastering for the construction of lift room at New North house	25000
76	Providing water supply arrangements to vermin compost and solid waste processing yard at Department of Environmental Science	325000
77	Providing concrete flooring elevation tiles and trap door for the construction of Lift room at New North house	21300
78	Providing generator power supply to the University hospital from the newly purchased generator	25000
79	Painting works to the Ladies club building	23100
80	Providing pandhal arrangements for the XXXII Convocation function	166000
81	Repair & Renovation of PVC Sewage line from P-30 to P-33 Quarters	25000
82	Repair and Renovation of Sewage Chambers in A-7 & A-8 Quarters	24300
83	Repair and Renovation of Sewage Chambers and Pipe lines in AP-7 P-16 & AP55, AP-63 Quarters	25000
84	Renovation of sewage pipe lines (mainlines) in the quarters No. AP-55 to AP 63 quarters	25000
85	Repair and Renovation of Sewage line and Chambers from P-30 to P-33 & C-64 Quarters	24000
86	Providing stand by power supply to the stage and audio system in the Convocation hall	17000
87	Providing floor finishing and toilet facilities works to the First floor - North east portion for exam hall	960000
88	Providing weathering course, pressed tiles and painting works in the first floor construction of biofertilizer and quality control laboratory for the department of microbiology	700000
89	Construction of laboratory cum training hall	2000000
90	Extension of UPS battery room over portico portion in the northern side of RASI Seed Seminar hall and partitioning works in front of toilet entries in Centenary building	270000

91	Construction of new gents toilet in RI building South east corner for School of PG Studies	214000
92	Renovation of ground and First floor toilet blocks (Ladies & Gents) for School of PG Studies	203000
93	Providing mild steel cover plate for the collection tank and urgent repair works to the sewage treatment plant	170000
94	Renovation of training hall in department of Farm Management	60000
95	Renovation of Cuddapah tiles drying floor (back side of farm office)	334000
96	Repair and renovation of office room (Eastern block)	82000
97	Providing pavement weathering course pressed tiles & painting work for NRM office building	910000
98	Providing street light arrangements in the university hospital road	25000
99	Supply and fixing of speaker with wiring at Convocation hall	20000
100	Providing foundation stones for TNAU, Coimbatore, TCRS, Yethapur & CRS, Aliyar nagar new buildings	23700
101	Hire charges for providing plastic chairs for 32 nd convocation	15500
102	Fixing of inauguration / opening stone new buildings	23500
103	Supplying of inauguration / foundation stone with engraving for the TNAU, Coimbatore new buildings	23600
104	Painting works to the south house for the XXXII Convocation function	11000
105	Replacement of burnout UG cable between PG block & Convocation hall	25000
106	Attending alteration work in the quarters No. B-31 in the feeder box new quarters	25000
107	Providing generator power supply through UG Cable for Convocation hall	25000
108	Providing subpanel in III point of supply	25000
109	Providing feeder box at the garden & attending alternation work in the sewage treatment plant	25000
110	Construction of compound wall at Radio Isotope lab building	150000
111	Construction of feed room with lean to roof adjacent to cattle shed in eastern block for the department of agronomy	70000
112	Construction of PGR lab cum hall complex (First Floor) over the gene bank building department of Plant genetic resources	500000
113	Urgent repair works to the sewer line near AP-41 to AP -44 quarters	123000
114	Supplying and fixing of rolling shutter entrance in stair case portion of seed storage godown in department of millet	24200
115	Providing paver block flooring & renovation works to the sewage treatment plant	186000
116	Repair works to Ground water tank sump in the Quarters No. AP-51 -56	17500

117	Providing street light arrangements in the South house approach road	24000
118	Providing robbing room for the XXXII Convocation function	25000
119	Supplying and fixing of wooden plat form in robbing room for the XXXII Convocation function	25000
120	Improvement of electrification installations in the quarters No. AP - 25 to AP-30	300000
121	Improvement of electrification installations in the quarters No. AP - 31 to AP-36	300000
122	Improvement of electrical installation electrical wiring at Radio Isotope laboratory deparment of SS & AC	175000
123	Improvements of electrical installation for NHM laboratory and renovation of Professor & Head room and First floor lobby, department of Medicinal plant & Aromatic crops HC & RI	200000
124	Providing power wiring to the air conditioners at Dean (SPGS) committee room, Public defence hall & Seminar hall	75000
125	Providing robbing room for the XXXII Convocation function	15200
126	Repair works in AP-25 Quarters	24500
127	Repair works to toilet and sewage line in P-24 & P-25 Quarters	21600
128	Repair works in C-33,35,47,69 & D-23 Quarters	13000
129	Supplying and fixing of Steel Glazed windows to AP-9 & AP-19 Quarters	24800
130	Repair & Renovation works to the toilet common staircase & Kitchen in AP - 29,35, & 36 Quarters	25000
131	Supplying and fixing of stainless mosquito proof mesh windows in South house room No. 2 & 3	19400
132	Supplying and fixing of stainless mosquito proof mesh doors in South house room No. 2 & 3	16800
133	Supplying and fixing of stainless mosquito proof mesh windows in South house room No. 1	23000
134	Supplying and fixing of stainless mosquito proof mesh windows in South house Office room	24500
135	Supplying and fixing of stainless mosquito proof mesh windows in South house room No. 3	23500
136	Electrification of newly constructed First Floor Teacher's hostel building	980000
137	Improvements of Electrical installations in the Directorate of CPPS	120000
138	Improvements of Electrical installations in the Lecture hall, Kakkan hall CCPC hall, Old Exhibition hall & Staff room at Department of Agri. Economics	300000
139	Construction of shade net house at Department of Vegetable crops at HC & RI, TNAU Coimbatore	1100000

140	Providing RCC Culvert for 3rd point Generator shed building for Electrical section	21000
141	Providing interlock concrete block flooring in front of 3rd point Generator shed building for Electrical section	21100
142	Repair & Renovation works to the toilet and sewage chamber in P-8,30 & 51 Quarters	25000
143	Repair works to the sewage line in F-6,18,AP-2,C-32,33 & 35 Quarters	24900
144	Providing vetrified tiles for the rooms and verandah in Ground floor of new Teachers hostel	980000
145	Providing tiles flooring for the rooms and Passage in the First floor of new Teachers hostel	990000
146	Providing weathering course, pressed tiles and repair work to the terrace portion of Freeman block west portion	980000
147	Providing weathering course, pressed tiles and repair work to the terrace portion of Freeman block east portion	950000
148	Renovation and painting works in University canteen	260000
149	Providing cupboard and slab facility in analytical laboratory in the First floor of WTC hostel	75000
150	Shifting the existing water supply and sanitary line near NRM office building	58000
151	Urgent renovation works to the existing block toping roads in connection with 32 nd convocation	58000
152	Renovation works in Professor & Head room lobby in the first floor for the Department of Medicinal & Aromatic crops	45000
153	Providing painting & repair works for the Kakkan hall, old exhibition hall & Seminar hall in the Department of Agrl. Economics	320000
154	Renovation works in the PPC & Mother Therasa hostel in TNAU, Coimbatore	775000
155	Renovation Pot culture (II) room in radio isotope lab Department of SS & AC, SO(NRM)	180000
156	Providing RCC roofing to the existing farm office - cum- storage room of college orchard in HC & RI, TNAU, Coimbatore	600000
157	Construction of Threshing floor for the Department of Oil seeds	436000
158	Providing additional finishing water supply & sanitary arrangements for the International students hostel additional 8 rooms	950000
159	Renovation of RI Building northern side outer wall portion painting works & window curtains for Dean (Agri)	500000
160	Attending alteration electrical works in the department of Crop Physiology	40000
161	Providing standby generator power supply to the 4 Nos of split AC units in the VC Chamber	21500

162	Providing change over switch arrangements to the technology park II & III	21000
163	Attending additional & alteration works in the sewage treatment plant	15000
164	Repair & renovation works to the toilet & sewage chambers in AP-19,24,28,29 & C-19 quarters	22600
165	Providing septic tank & repair work in sewage line in F-15 - 18 quarters	24600
166	Providing name board for Anna Auditorium with MS Frame & Sheet	11500
167	Repair & renovation works to the toilets & sewage chambers in C-31 quarters	11000
168	Urgent repair works in the toilet & roof ceiling in the quarters C-47, AP-14,15,16,18,21,29 & 31	25000
169	Repair & renovation of kitchen sink & platform in AP-14,15,16,18 & 23	25000
170	Urgent repair works to the AP-1,5,10,17,12,26,32 & D-67 quarters	25000
171	Attending underground cable repair works in the hostel feeder at II point of supply	25000
172	Attending underground cable repair works in the cotton feeder at III point of supply	25000
173	Attending electrical works in the quarters No. P-11 Police check post & Engg college feeder	25000
174	Replacement of three phase main switch in the panel board at RI building	21000
175	Providing three phase underground cable power supply to the glass house of the Department of Crop Physiology	22000
176	Construction of bottom ventilated onion storage structure with thatched roof (5 T Capacity) to the Department of Vegetable crops, HC & RI	20000
177	Providing underground cable to the water supply motors in the Centenary building	18000
178	Replacement of damaged underground cable and isolator to the volley ball court	25000
179	Providing electrical installation to the rainout shelter at Department of Crop Physiology	68000
180	Providing electrical installation in the DST Netriseed machinery park at department of SS & AC, SO(NRM)	80000
181	Providing three phase under ground cable power supply in the borewell motors eastern block field NA3 & NA5 department of Farm management	135000
182	Attending additional & alteration works & electrical inspection defects at VI point of supply	110000
183	Replacement of MCCB in the MV panel at V point of supply in TNAU, Coimbatore	25000

184	Providing power supply to the North wing verandah of RI building	25000
185	Providing UPS line to the comptroller office at Centenary building	20000
186	Special repair works in C-64 & F-28 quarters	25000
187	Fabrication & fixing of police check post with colour metal sheet roofing shed at gate no.7	127000
188	Providing granite flooring to the PG block verandah (First Floor) in RI building	565000
189	Repair & renovation works to the toilet and kitchen platform in P-17 Quarters	25000
190	Special repair works in AP- 22 & AP-25 quarters	25000
191	Special repair works in AP- 15,16 & AP-28 quarters	25000
192	Replacement of main switch in the MV panel at VI point of supply	25000
193	Attending additional & alteration work in the Anna Auditorium & replacement of same wire in tank bed line on F6,7,9,19,22,25,29 & 32 in TNAU, Coimbatore	20000
194	Repair & renovation of sewage chamber in back side of microbiology department at P-17,18 quarters TNAU, Coimbatore	24800
195	Providing granite slab, cuddapah slab, Stainless sink & MS Grills for the international students hostel at TNAU, Coimbatore	625000
196	Providing brick work concrete & finishing works to the additional area of construction of offset machine room	190000
197	Special repair works to quarters No AP-1 to AP-12	600000
198	Repairs to sewage arrangements in WTC hostel	105000
199	Special repair works to quarters No. AP-13 to AP-24	600000
200	Providing drainage line & interlocking concrete block flooring in the rear side of Radio isotope lab building	160000
201	Providing marble slab for stair steps cuddapah slabs for cupboards & PVC door for toilet entries in New Teachers hostel	990000
202	Special repair works to quarters no. AP-25 to AP-36 in TNAU, Coimbatore	600000
203	Improvements of electrical installations in the M.Sc. & Ph.D., laboratories of department of Soil science & Agrl. Chemistry in TNAU, Coimbatore	71000
204	Replacement of damaged three phase underground power cable in the department of Forage Crops in TNAU, Coimbatore	135000
205	Improvements of electrical installations in the University library	400000
206	Repairs & renovation of toilet in DR2 & minor repairs in B-30 & AP-56 quarters	21400
207	Repairs & renovation of window & bathroom door in AP-2 & AP-18 quarters	24800
208	Repairs & renovation of window in AP-10 & AP-19 quarters	24700

209	Urgnet repair works in sewage line in Anna Auditorium & DR-5,P-9 & F-35 quarters	25000
210	Repair & renovation of window in AP-14 C-52 & D-10 quarters	21100
211	Repair & renovation of toilet door & jalli in AP-32,56 & C-52 quarters	23900
212	Construction of net house First floor in the department of Pulses	500000
213	Renovation of existing ladies comfort room in the department of SS & AC	129000
214	Repair works to the UG lab II for replacement of water supply line at department of SS & AC	100000
215	Renovation of toilet works to the golden jubilee hall	165000
216	Repairing the terrace portion with pressed tiles & flooring with ceramic tiles for the farm office building department of Forage crops	330000
217	Providing temporary storage shed of size (16' x 20') for the department of biofuel in field no. 69 at eastern block	250000
218	Renovation of seminar hall (first floor) in RI building	248000
219	Providing electrical installations in the Aluminium partitioned cabins at department of Forage crops	37000
220	Providing electrical installations in the lecture hall at Seed Centre	100000
221	Improvement of electrical installations in the MAS laboratory Directorate of CPBG	120000
222	Providing siruvani water supply line to KVK building in TNAU, Coimbatore	25000
223	Providing siruvani water supply line to Mushroom building in TNAU, Coimbatore	25000
224	Providing additional water supply line to TNAU buildings	25000
225	Repair & renovation of window in AP-27 & 28 quarters	20300
226	Construction of additional dinning hall for PG hostel	990000
227	Construction of Centenary arch gate & approach road for the Centenary building	980000
228	Providing glass partitions & water supply arrangements to the first floor of gene bank building for the department of CPBG TNAU, Coimbatore	980000
229	Repair works to the UG botany lab of CPBG	300000
230	Renovation of library building inner wall portion & grill painting works	300000
231	Providing water supply & pathway with paver block to a rainout shelter in field no. 75 of eastern block for department of Crop physiology	250000
232	Cement painting work in water technology centre	225000
233	Renovation of toilet & false ceiling arrangements for the Analytical laboratory (west portion) department of Forage crops	175000
234	Providing pavement in front portion & pile foundation to rainout shelter in department of crop physiology	120000

235	Renovation of outer wall portion for the department of environmental science building	110000
236	Painting to the farmer's residency building	85000
237	Formation of road with gravel in field no 36 to connect farmers residency road to TBO's Garden for the department of bio-fuel	70000
238	Providing tiles flooring to the UG laboratory east portion in department of seed science & technology	50000
239	Renovation of outer wall surface in examination hall	44000
240	Renovation of department of medicinal & Aromatic crops at HC & RI, TNAU, Coimbatore	205000
241	Renovation of outer wall surface in Entomology department building	165000
242	Renovation work for the hall and office building for department of RS & GIS	155000
	Agricultural Research Station, Bhavanisagar	
243	Providing toilet facilities to the students in the old office building	100000
244	Providing additional rooms with toilets and repair of existing building	854500
245	Renovation of breeder seed storage godown pulses & millet storage godown & oil seeds godown	300000
246	Renovation of dining hall & provision of separate mess for girl students	200000
247	Renovation works for hostel & providing drainage facilities	75000
248	Renovation of lecture hall - I	70000
	Horticultural College & Research Institute, Periyakulam	
249	Providing lighting arrangements to the Gym building	23000
250	Supplying and fixing of entrance gate and watchman shed in shenbagam hostel	70000
251	Construction of Drinking water sump in Administrative block	35000
252	Construction of seed processing and storage building in second floor for Dr. R. Arumugam Administrative building	1000000
253	Providing gypboard for modernized lab in First Floor west end of academic block	160000
254	Providing modernized laboratory facility for the First Floor west end of Administrative block	450000
255	Special repair works in old Academic block building	450000
256	Construction of visitors shed at ladies hostel	200000
257	Construction of staircase in the east side of exam hall of Dr. R. Arumugam administrative building	100000
258	Repainting work for the existing staircase for old block in the Bio-tech lab building	135000
259	Construction of drinking water sump for the students hostel	165000

260	Renovation of the examination hall with stair for Dr.R. Arumugam Administrative building	265000
261	Providing UPS line & strengthening of UPS incoming power supply arrangements to the education cell (Administrative building)	250000
262	Electrification of newly constructed seed processing laboratory (First Floor building) over seed storage unit	90000
263	Electrical installation arrangements to the cultural laboratory	210000
264	Special repair works to quarters	500000
265	Fencing work for establishment of mother plant version for high pedigree planting material of fruit crops area	460000
266	Construction of additional dining hall in Kurinji hostel	940000
267	Providing aluminium partition for examination hall server room	60000
268	Providing aluminium partition work for mushroom spawn running room in bio control laboratory building	35000
269	Supplying & fixing of PVC Pipeline for establishment of mother plant nurseries for high pedigree planting materials of fruit crops	150000
270	Electrification of modernized laboratory (first floor) over main building	75000
271	Construction of ground level water tank for drip fertigation in modernized irrigation area	133673
272	Fencing work for Mango clonal block	117000
	Agricultural Engineering College & Research Institute, Kumulur	
273	Providing Electrification to the Examination hall	100000
274	Fabrication of gate materials	100000
275	Providing RCC Arch	100000
276	Renovation of academic block building (external wall painting)	200000
277	Repair works to the staff quarters	300000
	Agriculture Research Station, Kovilpatti	
278	Providing lighting arrangements to the Lecture hall	25000
279	Improvement works to AICRPDA room in storage Godown building	90000
280	Providing toilet facility to the Professor & Head room in storage godown building	110000
281	Improvements & renovation of existing pond in block soil farm	350000
282	Repairs & strengthening of existing farm road in red soil farm (Western side of the boundary) - I phase	205000
283	Repairs & renovation of soil science laboratory (red soil farm)	220000
284	Special repairs to the staff quarters D1,D2,D3,C3 & C4	300000
285	Repairs & strengthening of existing barbed wire fencing in northern side of the boundary in black soil farm	300000
286	Improvements of works to AGROMET room in storage godown building	90000

	Cotton Research Station, Srivilliputhur	
287	Lining the irrigation channels with RCC Cover slab	200000
288	Special repairs to main office building	300000
289	Special repairs to the Professor quarters	200000
290	Special repairs to the Assistant / Associate Professor quarters (B-1,B-2 & B-4)	300000
	Sugarcane Research Station, Sirugamani	
291	Repairs to the staff quarters & other buildings	200000
	Horticulture College & Research Institute (Women) in Anbil Dharmalingam Agricultural College & Research Institute, Trichy	
292	Providing barbed wire fencing around old boys hostel proposed for girls hostel	245000
293	Replacement of service wire in the Proposed ladies hostel	16500
294	Providing additional fans and tube light fittings in the proposed ladies hostel II	24000
295	Providing underground cable for providing generator power supply to the library	17000
296	Providing portico and pavement for auditorium	1220000
297	Providing AC sheet roofing and false ceiling for Auditorium	2300000
298	Electrification of Auditorium	975000
299	Construction of Ladies hostel First Floor (Balance Works)	4970000
300	Providing additional plug points & lights in the students hostel	25000
301	Improvements of electrical installation in the education cell TRYCEM building	24000
302	Providing additional electrical installations in the AICRP laboratory	100000
303	Renovation of Soil Science & Agronomy laboratory	600000
304	Special repairs to the students toilet in main office	600000
	Tamilnadu Rice Research Institute, Aduthurai	
305	Special repairs to Seed Godown at South Farm	90100
306	Special repairs to staff quarters	500000
	Agricultural College & Research Institute, Madurai & Home Science College & Research Institute, Madurai	
307	Providing aluminium partition to the seminar hall in soil & environmental department	77000
308	Providing internal electrification arrangements to the PG lab instrument room & Staff room in Soil and environment department	260000
309	Strengthening of Incoming power supply arrangements and internal Electrification to the Seminar hall & UG lab II in Soil Environment Department	280000
310	Improvements & rewiring the UG lab I in Soil Environment Department	120000

311	Improvements & rewiring to MK illam Students hostel	500000
312	Improvements & rewiring to Valluvar illam Students hostel	500000
313	Internal electrification to the UG Laboratory Department of Plant Breeding & Genetics	130000
314	Internal electrification to the Dean's office	100000
315	Special repairs to terrace and Construction of compound wall at vaigai illam	500000
316	Renovation works to Associate Professor quarters (48-49 & 94-97)	500000
317	Renovation & terracotta painting to main building	280000
318	Finishing works to examination hall	150000
	Institute Commercial Horiculture, Ooty	
319	Providing approach to the ethnographic park view point	25000
320	Providing concrete steps to the tree Garden	23000
321	Providing concrete footpath to the ISRO Lab in wood house	25000
	Horiculture Research Station, Kodaikanal	
322	Construction of Golden jubilee entrance	300000
323	Special repair works for quarters area	200000
	Agricultural College & Research Institute, Killikulam	
324	Repairing and Modernization of Soil Science UG & PG Lab & Central instrumentation room	100000
325	Modernization of plant pathology culture room	40000
326	Construction of Auditorium	1500000
327	Special repairs to C-1 to C-7, D-1 to D4 & E1 & E2 staff quarters	128000
328	Providing water closet urinals wash basin & doors for the college toilets	150000
329	Repairs to staff quarters F-1 to F-6	80000
330	Annual maintenance repairs to AP quarters 1 to 12 & Associate Professor quarters	210000
331	Renovation of existing sewage pipe line to the F-1 to F-6 & B-1 to B-4 staff quarters	82000
332	Providing tiles flooring of molecular biology lab	50000
333	Providing aluminium partition to Bio-Control lab in the Entomology PG lab	75000
334	Repairing of Agricultural Entomology screen house	100000
335	Providing generator power supply arrangements to the computer centre	100000
336	Repairing of electrical wiring to the PG laboratory department of Soil & Environment	78000
337	Internal electrification arrangements to the Agronomy laboratory	35000

338	Providing false ceiling to the central instrument room in soil science laboratory	50000
	Regional Research Station, Ambasamudram	
339	Providing lighting arrangements to the BGA Building (Hostel)	65000
340	Special repairs to Assistant Professor's quarters (AP-1,2 & AP-3)	300000
341	Providing toilet & bathroom arrangements to BGA building (Hostel - GF & FF)	675000
	National Pulses Research Centre, Vamban	
342	Providing Mist Chamber	85000
343	Improvement of works to new Administrative building	440000
344	Special repairs to the Associate Professor quarters - 2 Nos & Supporting staff quarters - 5 Nos	400000
	Vegetable Research Station, Palur	
345	Renovation of storage godown	300000
	Krishi Vigyan Kendra, Tindivanam	
346	Construction of Steaning wall with RR Masonary for H-13 wall	220000
347	Construction of Steaning wall with RR Masonary for K-9 wall	150000
	Rice Research Station & Krishi Vigyan Kendra, Aruppukottai	
348	Special repairs to boys hostel (Staff quarters) I,II and III (Diploma Agriculture Students)	350000
349	Providing toilet and bathroom arrangements to gents hostel (Diploma Agriculture Students)	300000
350	Providing inauguration stone for KVK, Aruppukottai & KVK, Vamban new buildings	22300
351	Construction of lecture hall -1 (First Floor) for the diploma Agrl. Students over the existing main building	1200000
352	Providing lighting arrangements to the lecture hall - I (First Floor) over the main building	125000
353	Special repairs to the staff quarters AP-2,3 & AP-6	300000
	Forest College & Research Institute, Mettupalayam	
354	Providing three phase power supply to the Microbiology lab	15000
355	Extension of retaining wall at South and West side of play ground	500000
356	Improvements of electrical installations in the seed technology laboratory II	25000
357	Improvements of electrical installations in the Lecture hall I to IV	22000
358	Providing three phase wiring to the seed technology lab I	25000
359	Establishment of log pond facility for Post harvest studies	90000
360	Construction of First Floor library building (Left wing)	1125000
361	Construction of First Floor library building (balance works)	480000

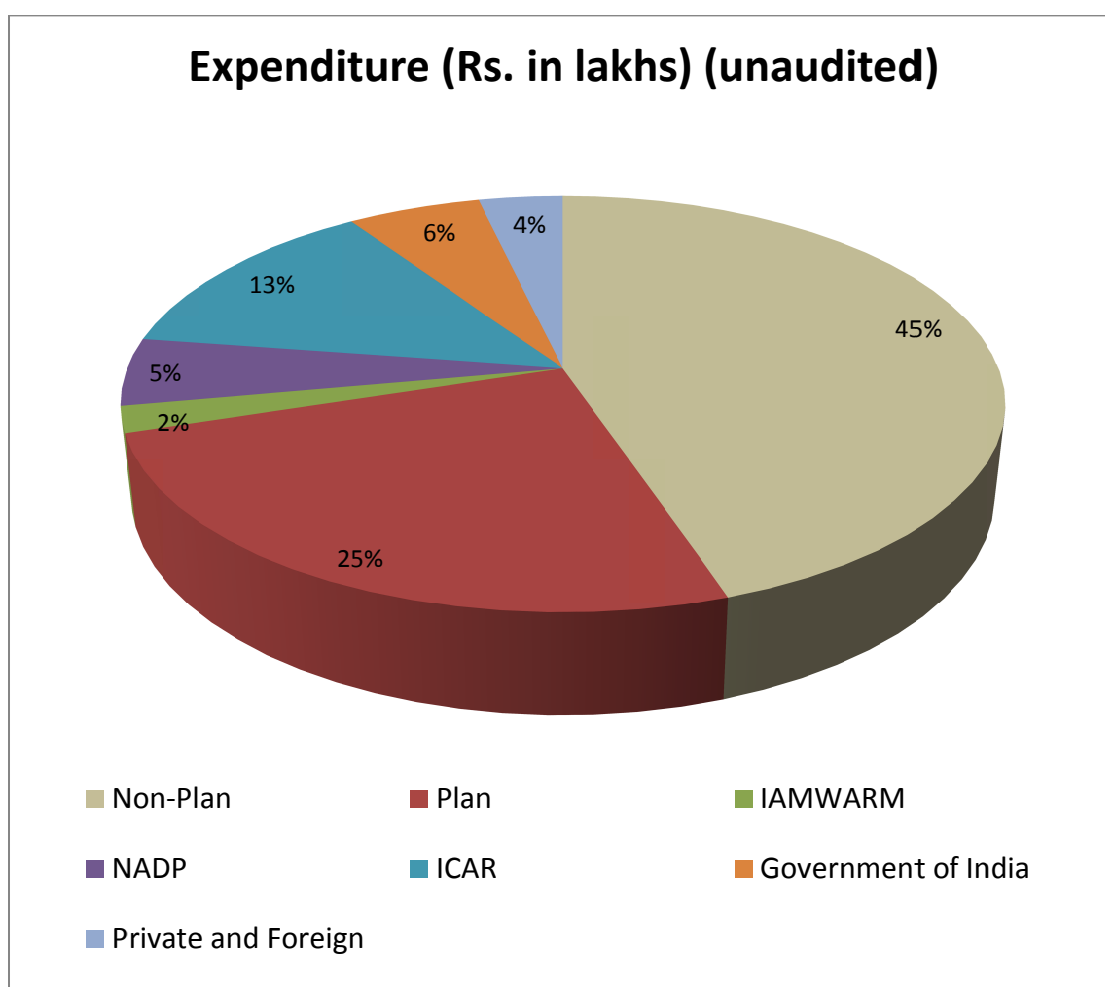
362	Providing fencing for the DUS Scheme reference collection & strengthening the DUS laboratory	350000
363	Construction of Guest house & ladies hostel	4839000
364	Balance works - Construction of ladies hostel	5000000
365	Renovation & repair of seminar hall	350000
	Maize Research Station, Vagarai	
366	Electrification of newly constructed glass house	70000
	Horticulture Research Station, Pechiparai	
367	Repairs to staff quarters & construction of compound wall	300000
	Agricultural Research Station Thirupathisaram	
368	Special repairs to the Professor quarters	200000
	Soil & Water Management Research Institute, Thanjavur	
369	Providing inauguration stone for the SWMRI, Thanjavur, CRS, Veppanthattai, & ARS, Kovilpatti new buildings	23700
370	Providing under ground cable for generator power supply to the Administrative building	24000
371	Providing additional ceiling fan facilities in the Staff quarters	16000
372	Special repairs to the staff quarters	200000
	Krishi Vigyan Kendra, Coastal Saline Research Centre - Ramanathapuram	
373	Construction of Administrative building (Ground floor upto lintel level)	1800000
374	Construction of threshing floor at kalari village	440000
	Rice Research Station & Krishi Vigyan Kendra, Vridhachalam	
375	Urgent repair works to leaky roof building	175000
376	Providing barbed wire fencing (280m) at New farm	166500
377	Special repairs to the staff quarters	300000
378	Construction of Mist chamber for the Establishment of model nursery	120000
379	Providing barbed wire fencing	350000
380	Establishment of poly tunnels for production of cashew grafts	100000
381	Establishment of Hi-Tech Nursery for Vegetable seedling production	100000
	Sugarcane Research Station, Cuddalore	
382	Special repair to quarters C,D & D type	300000
	Horticulture Research & Engineering College, Gudalur	
383	Providing three phase power supply to the PHDF lab	25000
384	Providing electrical installations to the PHDF lab	16500
	Krishi Vigyan Kendra, Needamangalam	
385	Providing electrical installations in the PHDE Lab I	25000
386	Providing electrical installations in the PHDE Lab II	16000

	Sugarcane Research Station, Melalathur	
387	Renovation works in Professor & Head Quarters	85000
388	Renovation works in Assistant Professor & Head Quarters (2 Nos)	115000
	Horticulture Research Station, Thadiyankudisai	
389	Special repair works to quarters area	300000
	Krishi Vigyan Kendra, Sikkal	
390	Construction of drying yard 4 Nos at Anaimangalam village	400000
	Dry land Agricultural Research Station, Chettinad	
391	Providing three phase service connection to the borewell motor 1	12000
392	Providing three phase service connection to the borewell motor 2	12000
		111090113

Annexure II

RESEARCH SCHEMES

Particulars	No. of schemes	Expenditure (Rs. In lakhs) (unaudited)
Non-Plan	140	15899.08
Plan	108	8928.28
IAMWARM	1	727.52
NADP	8	1859.54
ICAR	314	4699.16
Government of India	162	2040.34
Private and Foreign	231	1281.68
Total	964	35435.6



Annexure III

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- Abida, P. S., S. Krishnaveni, M. Murugan, P. Yasodha, R. Velazhahan, P. Jansi Rani and V. Krishnasamy. 2011. Defense responses in tomato landrace and wild genotypes to early blight pathogen *Alternaria solani* infection and accumulation of pathogenesis related proteins. *Archives of Phytopathology and Plant Protection*, p. 1 - 18.
- Akila, R., L. Rajendran, S. Harish, K. Saveetha, T. Raguchander and R. Samiyapan. 2011. Combined application of botanical formulations and biocontrol agents for the management of *Fusarium oxysporum* f. sp. *cubense* (Foc) causing Fusarium wilt in banana. *Biological control*. 57 : 175 – 183.
- Amala Balu, P., D. Kavithamani and R. Ravikesavan and S. Rajarathinam. 2011. Heterosis for seed cotton yield and its quantitative characters of *G. barbadense* L. *J. of Cotton Research and Development*, 26 (1) 37 - 40.
- Amala Balu, P., D. Kavithamani and S. Rajarathinam. Assessment of genetic diversity for improved fibre quality traits in *G. barbadense* accessions to widen cotton gene pool. World Cotton Research Conference - 5, Mumbai 7 - 11th November 2011.
- Amirtham, D., P. Durairasu and S. Govindaraju. 2011. Forestry, Food security and Production, State Academy of Forest Service Journal. Vol. 24 p. 44 – 49.
- Amirtham, D., Salubaby and R. Rajesh. 2012. Isolation and Identification of protease producing and Chitinase deficient microorganism from soil. *J. Environmental agricultural and Food Chemistry*, Vol. 11 (4) P 397 - 404.
- Amirtham, D., Salubaby and R. Rajesh. 2012. Microbial deprotenization of shrimp shell waste for chitin production by wild strains of *Serratia marcescens* I. *J. Environmental agricultural and Food Chemistry*, Vol. 11 (5) p 469 - 476.
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Agricultural Extension related events



▶ Director General, ICAR delivering special address in the 11th Agri Intex 2011 at CODISSIA.

Vice - Chancellor inaugurating the Irrigation park at AEC&RI, Kumulur. ▶



Vice - Chancellor witnessing the demonstration of sugarcane chip bud remover. ▶



▶ Farmers visiting the green house nursery



▶ Hon'ble Minister for Agriculture releasing the Souvenir in the function on Attracting youth towards agriculture for Second Green Revolution.

◀ Vice - Chancellor opening the small millet Food court at HSC&RI, Madurai



◀ Demonstration on *Parthenium* eradication.



▶ Demonstration on value addition in small millets for farm women.

Agricultural research related events



- ▶ Hon'ble Minister for Agriculture releasing New Crop varieties.

Hon'ble Minister for Agriculture releasing the Micro Watershed Atlas of Tamil Nadu. ▶



Director, ABD receiving the cheque for commercialisation of technology in the 77th Scientific Workers' Conference. ▶



- ▶ 2011 - Annual Workshop on Palm



▶ Inauguration of National seminar on Soil Health improvement for enhancing crop productivity.

▶ Vice - Chancellor inaugurating the National workshop on Dryland development and maximising crop productivity.



▶ Releasing the book on Nano technology in National seminar



▶ Releasing of Compact disc in the National seminar on Emerging technologies in Food processing

Administration and Education related events



▶ 32nd Convocation

Inauguration of Audio Visual lab at
directorate of students Welfare



Workshop on Examination
management system and
e - Governance software



▶ Students taught on selection
of coconut seedlings



▶ Second dual degree
Graduation Ceremony

University Registrar inaugurating
Parthenium eradication camp ▶



Inauguration of students club
at Horticultural College and
Research Institute, Periyakulam ▶



▶ Inauguration of play ground at
Thiru. C. Subramanian Institute of
Agriculture, Tindivanam.