

1	Name	Dr. S. NANTHAKUMAR, Ph.D.,(Horticulture)			
2	Father's / Husband's Name	Mr. A.L. SUNDARAMOORTHY			
3	Educational Qualification (University Education)				
	S. No	Degree / Diploma obtained	Year of Degree/ Diploma obtained	Institutions studied	Specialization
	i	B.Sc., (Hort.)	1984	Tamil Nadu Agricultural University	Horticulture
	ii	M.Sc., (Hort.)	1987	Tamil Nadu Agricultural University	Horticulture
	iii	Ph.D., (Hort.)	1997	Tamil Nadu Agricultural University	Horticulture
	iv	International Post Graduate course on Protected agriculture in Arid and Semi- arid regions	2001	Hebrew University of Jerusalem, Israel	Protected cultivation
	v	Swift India	2000	National Institute of Information Technology, New Delhi.	Word, Excel, Power point and Internet
	vi	PGDAEM	2010	MANAGE, Hyderabad	Agricultural Extension, Entrepreneurship, ICT, Sustainable Agriculture
4.	Academic Awards / Medals obtained				
	ASPEE Senior fellowship				1985
	Fellowship for young talented scientist, awarded by Food and Agriculture Organisation, Rome				1995
	"Outstanding young person of Arcot, 1999" awarded by Arcot Kitchili Junior chamber, which is a unit of Indian Junior chamber (Zone XVI)				1999
	Awarded recognition certificate for the release of sugarcane sett cutter in 2006 for the phenomenal impact made on the livelihood of Indian farmers				2010
	Awarded recognition certificate for obtaining the externally funded scheme entitled "Establishment of mother plant nurseries for high pedigree planting material of fruit crops				2011
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5.	Employment details:			
	S. No	Position	From	To
	1.	Assistant Professor	10.08.1988	26.07.1998
	2.	Associate Professor	27.07.1998	12.11.2005
	3.	Professor	13.11.2005	Till date
6.	Research & Publications			
	1	Research Projects	Completed	09
	2	Research Projects	Currently handling	14
	3	Trainings Under taken	International	2
	4	Trainings Under taken	National	19
	5	Trainings Organized	National	1
	6	Trainings Organized	Regional	13
	7	Research Papers	National	25
	8	Popular Articles		122
	9	Books written		6
	10	Technical Bulletins/ Booklets published		37
7.	Membership in Professional bodies		International -1 No.	National – 10 Nos.
8.	Number of students guided		PG - 5 Nos.	Ph. D – 1 No.

CONTRIBUTION MADE IN TEACHING

- ❖ Member of Research Council, Horticultural College & Research Institute, Periyakulam in 1997.
- ❖ Member in the *Board of studies in Horticulture* in TNAU from 26.01.1997 to 26.01.2000.
- ❖ Member of the syllabus revision sub-committee at Horticultural College & Research Institute, Periyakulam in 1998.
- ❖ Established a *programme study centre for IGNOU* at APAC, Kalavai for the course “*Diploma in value addition of fruits and vegetables*” in 2000.
- ❖ Member in Board of studies in Horticulture from 12.03.2009 in Annamalai University, Chidambaram.
- ❖ Designed new correspondence courses “*Diploma in commercial floriculture*” and “*Post graduate diploma in nursery management*” under open and distant learning programme at HC & RI, TNAU, Coimbatore.
- ❖ Nominated as the counseling staff for UG admission 2010-11, TNAU, Coimbatore.
- ❖ Nominated as PG-Coordinator to monitor the PG and Ph.D programmes in horticulture.
- ❖ Prepared *eleven manuals*, reading materials, class notes, assignments and book in Tamil & English for the students

CONTRIBUTION MADE IN RESEARCH

1. Crop improvement

- a. Developed the variety, *PKM-2* in Annual *Moringa* which was released in 1999 at HC&RI, Periyakulam.
- b. Released Spiny brinjal (Mullukathiri) as *VRM 1* in 2010 at KVK, Virinjipuram.
- c. A new scion bank with elite mother plants, propagation structures, hardening chamber, etc., were established in HC & RI, TNAU, Coimbatore with the funding of NHB, GOI, India in 2011.
- d. Involved in the release of the variety *VRI-4* in *cashew* and collection of *Germplasm* in *cashew*.
- e. Identified and popularised the banana type *Channachenkathali* which is suited for home gardens
- f. Collected, conserved and maintained *105 germplasms in banana and 36 germplasms of spiny brinjal* at ARS, Virinjipuram.

2. Technologies developed

- a. Co inventor of *sugar cane sett cutter* which was released in 2006 from ARS, Vellore.
- b. Introduced *High density planting in dwarf Cavendish* banana for the first time in Vellore District.
- c. Developed “*Integrated Nutrient Management*” for *Palur-1* variety of *brinjal* at RRS, Vridhachalam in 1996.
- d. Popularised *epicotyl grafting in cashew* and designed the *low cost mist chamber* for their propagation at RRS, Vridhachalam in 1994.

CONTRIBUTION MADE IN EXTENSION

- ❖ Cotton was introduced in 2009 as an alternate crop to the farmers of Gudiyatham block under rainfed cultivation to sustain the productivity and income. Front line demonstrations and trainings in an area of 50 acres recorded the highest kapas yield of 19.88 q/ha and net return of Rs. 31,699 and this led to the horizontal spread of more than 1000 acres.
- ❖ The SRI was introduced for the first time *in Vellore district in 2007 and due to several demonstrations, trainings and field days etc. nearly 6800 ha. were brought under SRI in 2012 in Vellore district.* Apart from this, *a SHG was formed from women agricultural labourers at velam village and they were trained in planting of seedlings in SRI system.*
- ❖ Total number of *18 On Farm Trials* (113 beneficiaries) were conducted in vellore district. Around **30 new technologies** were assessed at various locations through on farm trials from 2007-09 and 2011-12. Apart from this, *32 new technologies* and latest released varieties & hybrids were popularized by *Front Line Demonstrations* in vellore district during 2007-2012. Due to this interventions, fodder grass CO4 (Cumbu Napier Hybrid) is being widely cultivated in more than 1500 acres in vellore district for green fodder purpose.
- ❖ A total number of *233 trainings* were conducted for 8000 beneficiaries including farmers, unemployed youths, Women SHGs, agro entrepreneurs and extension functionaries of vellore district

during the 2007-12. *Extensive training programmes were conducted on Focus Crops in horticulture in 84 batches for 2520 beneficiaries to popularize the latest improved production technologies. Apart from this NADP sponsored Organic Farming Trainings were imparted in 20 blocks of vellore district for 2000 beneficiaries.*

- ❖ Several extension activities like exhibitions, field days, campaigns, Kisan Melas, technology week, exposure visit etc were organized/participated at various locations for effective transfer of technologies to farmers. *Out of the seven exhibitions participated, two best stall awards were bagged at Farmers Day exhibition 2012. TNAU, Coimbatore and Dinamalar Agri Expo, 2012, Vellore.*
- ❖ To increase the net income of the farmers and to conserve water, precision farming demonstrations were introduced for 20 ha. in 2006-2007 and also 40 training programmes (nearly 1700 farmers) were given to farmers. This created awareness and popularized the precision farming technology in Vellore district. This resulted in *the area under precision farming of horticultural crops increased to 700 ha in 2011.*
- ❖ Due to the severe infestation of papaya mealy bug across Vellore district, steps for mass multiplication of this parasitoid were taken up in a war footing manner at Krishi Vigyan Kendra, Virinjipuram. *Nearly 20000 parasitoids were produced and supplied to papaya farmers from Vellore, Thiruvannamalai and Kancheepuram districts.*
- ❖ *In total 18 special programmes were delivered in the mass media i.e. All India Radio, FEBA, Bangalore and Doordharsan*
- ❖ Published 12 Books, 31 book chapters, 128 popular articles (leaflets, folders, pamphlets, News paper messages etc.) in local language for the betterment of farming community
- ❖ Apart from KVK mandated works, 14 net working projects at a budget of Rs. 740.17 Lakhs were implemented in Vellore, Thiruvannamali and Kancheepuram districts since 2008 and led to the spread of technologies like SRI, IPT in pulses and groundnut and precision farming.
- ❖ Regularly participating the agricultural production council meeting, farmer's grievance day, Micro irrigation committee, district national horticultural mission committee and offered suggestions for the improvement of farming community. Apart from this fully involved in the ATMA activities like Kharif & Rabi Training campaign, Farmers field schools, Researchable issues, field demonstrations and method demonstrations.