

RESUME

Name & Address: **Dr K.V. NAGA MADHURI**
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ACADEMIC DETAILS

Degree	University	Year of Passing	Subject/discipline in PG degree	OGPA	% of Marks	Class
1. B.Sc (Ag)	APAU	1994	Agriculture	8.58	85.8	I
2. M.Sc (Ag)	ANGRAU	1996	Soil Science & Agril.Chemistry	8.98	89.8	I
3. Ph.D	ANGRAU	2003	Soil Science & Agril.Chemistry	8.67	86.7	I

PROFESSIONAL EXPERIENCE

Designation	Place of work	From- To	Duration
1. Scientist	Agricultural Research Station, Perumalapalle	November,2001 to June, 2012	11 years
2. Scientist	Regional Agril. Research Station, Tirupati	June, 2012 to till date	3 years

AWARDS

1. Gold meadal in M.Sc (Ag) for getting highest OGPA in Southern Region Sponsored by FAI.
 2. Best Scientist award of VR Durgamba chartitable trust endowment prize for the year 2007 for best research in sugarcane.
 3. Best Scientist award of KCP endowment prize for the year 2012
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LIST OF PAPERS, CONFERENCES, POPULAR ARTICLES etc

Particulars	Number
1. Research Papers	
1. International	10
2. National	15
2. Conferences attended & Published papers	
1. International	12
2. National	30
3. Popular Articles	40
4. Lectures Delivered	10
5. Technical Bulletins	5
6. PG Guidance	
1. M.Sc Students	8
2. Ph.D	5
7. Projects	
State plan	1
RKVY	3
Consultancy/paidup trials (1,20,000/-)	3
Externally funded projects	3
8. Radio programmes	10
9. T.V. Programmes	12
10. Trainings attended	6
11. Teaching	
1. No. Of Courses for Agricultural polytechnic	2
2. Practical Manual Preparation	1
12. Varieties Released	1 (Vakula in ragi)
13. Technologies developed & dessiminated	10
14. Lab Development	Established good quality analysis laboratory at Agricultural Research Station, Perumallapalle and soil science lab RARS, Tirupati Established Apex and referral lab at RARS, Tirupati
15. Farm Development	As farm superintendent, improved farm facilities at ARS, Perumalapalle
16. Revolving fund	40,00,000/-

SIGNIFICANT CONTRIBUTIONS

- ❖ **Soil fertility status:** Analysed **soil fertility status** of Agricultural Research Station, Perumallapalle and delineated areas of deficiencies. As the soils are poor and sandy loam, application of tank silt is being carried since three years to improve physical condition.
 - ❖ **Sulphur analysis:** The soils of the district are found **sulphur deficient**. In this context, an experiment was conducted to know the effect of sulphur on yield and quality of Sugarcane. Both the sources and doses of sulphur were evaluated.
 - ❖ **Sulphur application:** Jaggery preparation was started. **Sulphur** application @ 80 kg/ha through Gypsum gave significantly higher yields and given **good color to Jaggery**. This result i.e. application of sulphur @ 80 Kg/ha through **Gypsum** has given to farmers this year and got good response from farmers.
 - ❖ **Jaggery varieties:** Evaluated **Jaggery varieties** suitable for the southern zone. **2003 T 121, 2003V46 and 2005 T 16** are found suitable for Jaggery making. It is proposed to give these new varieties to farming community. 2003 V 46 is already popularized in farming community including jaggery making farmers.
 - ❖ **Nitrogen requirement for Sweet sorghum:** Evaluation of **sweet sorghum** varieties suitable for the zone were carried for two years. Analysis of reducing Sugars, NRS and total soluble Sugars were carried out. Application of nitrogen @ 80 kg/ha is economical and optimum for high cane and sugar yield in sandy loam soils of the zone.
 - ❖ **Integrated Nutrient Management:** **INM** technology has been given to sandy loam soils of Southern zone and is popularized with DAATCs.
 - ❖ **PMC utilization:** Utilisation of **PMC** (Pressmud cake) and its effect on yield and quality on quality was studied by enrichment technique with bio fertilizers and is introduced to farmers of sugarcane.
 - ❖ **Post harvest deterioration studies:** Identified two varieties viz., **2003V 46 and 2005 T 16** as **tolerant to post harvest deterioration and delayed harvest**.
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- ❖ **Trash utilization: Vermi composting** with Sugarcane trash is being carried out and collecting vermicompost.
 - ❖ **Fertigation in sugarcane:** Associated in **Drip Irrigation and fertigation** research in Sugarcane.
 - ❖ **Salt tolerance:Micro plot technique** was initiated to screen sugarcane varieties for **salt tolerance**.
 - ❖ **Nitrogen optimization in ragi:** Pre release ragi varieties were evaluated for nitrogen requirement and 60 kg N/ha in kharif and 80 kg N/ha rabi is found optimum.
 - ❖ **Organic farming:**Technology on Organic cultivation of sugarcane and organic jaggery preparation was developed.
 - ❖ **PG Guidance:** Parallel to my research stint, I have guided six postgraduate students and guiding three Ph.D students as minor advisor for their research. I am guiding one M.Sc student as major advisor and I have guided one PG diploma student of M.Sc (Sugarcane Technology) from TNAU.
 - ❖ **Nanotechnology:** Handled a RKVY project on Development of nano material based micronutrient formulations for enhanced productivity of groundnut and paddy.
 - ❖ **Teaching:**Two courses viz., DA 121 & 122 for Agriculture Polytechnic students.
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FULL LENGTH RESEARCH PAPERS & SHORT COMMUNICATIONS

S.No	Authors	Year	Title of publication	Name of the journal/publication	Vol.& Page Nos
1.	K.V. Naga Madhuri , P. Chandrasekhar Rao, K. Vijay Krishna Kumar and T. Prathima	2013	Influence of long term application of fertilizers on soil organic matter content	International Journal of Applied Biology and Pharmaceutical Technology.	4 (2): 69-74
2.	K.V.Naga Madhuri , N.V. Sarala, M. Hemanth Kumar, M. Subbarao and V. Giridhar	2013	Influence of micronutrients on yield and quality of sugarcane	Sugar Tech , An International Journal of Sugar crops and related industries.	Online publication
3.	K.V. Naga Madhuri , P. Chandrasekhar Rao, T. Prathima, K.Vijay Krishna Kumar and V. Giridhar	2013	Effect of longterm application of fertilizers on soil organic matter – A critical review	International Journal of Applied Biology and Pharmaceutical Technology.	4(2):85-93
4.	K.V.Naga Madhuri , M.subba Rao and L.Madhavi Latha	2012	Optimization of nitrogen fertilizer rate for high yield and quality in sweet sorghum	The Andhra Agricultural Journal	59(4):563-567
5.	K.V.Naga Madhuri , P. Chandrasekhar Rao, M. subba Rao, T. Prathima, K. Vijaya Krishna Kumar, B. Ravindra Reddy and V. Giridhar	2012	Adsorption of atrazine on selected Vertisols and Alfisols	International Journal of Applied Biology and Pharmaceutical Technology.	3 (3): 270-274
6.	K.V.Naga Madhuri , M. Hemanth Kumar, M. Subbarao, N.V. Sarala and V. Giridhar	2011	Response of promising midlate maturing sugarcane varieties to different doses of nitrogen fertilizer	Journal of Sugarcane Research	I(1): 49-54
7.	Naga Madhuri K.V , Jayaprakash M and Sarala N.V	2011	Effect of sulphur on quality of sugarcane juice and Jaggery	International Journal of applied Biology and Pharmaceutical Technology	II(2): 218-221
8.	Naga Madhuri K.V , Hemanth Kumar M and Ravindra ReddyB	2011	Evaluation of promising sugarcane varieties for jaggery Yield and quality	International Journal of Applied Biology and Pharmaceutical Technology	II(2):208-210
9.	M.Hemanth Kumar,Jayaprakash M,TagoreKR,Prasada Rao K, Madhavi latha L, Sabita N, Sekhar	2012	2005T16 A promising early maturing clone suitable for delayed harvesting	Sugar Journal, SISSTA	35-38

	Naga Madhuri KV ,Subba Rao M,Sarala NV and TM.Hemalatha				
10.	K.V. Naga Madhuri , K. Vijay Krishna Kumar,N.Sreeram Reddy,M . Subba Rao,T. Prathima, M.Hemanth Kumar,V.Sai Sruthi,N.V. Sarala and V.Giridhar	2012	Influence of organic fertilizers on the population levels of trichoderma spp. and pseudomonas fluorescens in sugarcane	Journal of Sugarcane Research	2(1):61-63
11.	K.V. Naga Madhuri , M. Hemanth Kumar and N.V. Sarala	2011	Influence of higher doses of nitrogen on yield and quality of early maturing sugarcane varieties	Sugar Tech, An International Journal of Sugar crops and related industries	13(1):96-98
12.	U. Sivakrishna, M. Hemanth Kumar, D. Mohan Reddy and K. V. Naga Madhuri	2011	Study on genetic variability, heritability and genetic advance in plant and ratoon crops of sugarcane.	Geobios	38: 221-224
13.	K. Prabhakar,M. Subba Rao, K.V. Naga Madhuri , K.Rama Subbaiah and G. Karunasagar	2012	Evaluation of promising sugarcane varieties for yield and quality in Alfisols	Journal of Sugarcane Research	2(1);54-56
14.	T. Prathima,T. Yellamanda Reddy,T.Murali Krishna,K.Devaki P. Sudhakar, N. V. Sarala, A. Muneendra Babu, and K. V. Naga Madhuri	2011	Validation of pnutgro model for moisture stress effects on rainfed groundnut in major crop growing areas of andhra pradesh, india - a critical review	International Journal of Applied Biology and Pharmaceutical Technology	2(4):482-510
15.	T. Prathima,T. Yellamanda Reddy,K.M. Dakshina Murthy,T. Murali Krishna, K. Devaki, K. V. Naga Madhuri And P. Parameswari	2012	Influence of sowing date and crop variety on phenology, growth and yield of rainfed groundnut (<i>Arachis hypogaea l.</i>) in Southern zone of Andhra Pradesh, India.	International Journal of Applied Biology and Pharmaceutical Technology	3(2):226-240
16.	N.V.Sarala and K.V.Naga Madhuri	2010	Effect of different irrigation methods on the yield and quality of sugarcane	Indian Sugar	LX(5):33-36

17.	N.V. Sarala, K.V.Naga Madhuri and M.Hemanth Kumar	2010	Studies on planting methods and fertigation techniques on the yield of sugarcane	Indian Sugar	LXI:39-41
18.	K.V.Naga Madhuri , M.JayaPraksah, K.Rama Kumar Reddy, N.V.Sarala,G.Sekhar and L.Madhavilatha	2009	Effect of sulphur on yield and quality of sugarcane in sandy loam soils	Sugar journal, SISSTA	15-17
19.	N.V.Sarala,M.Subba Rao, K.V.Naga Madhuri and M.HemanthKumar	2011	Evaluation of post emergence herbicides for control of creeper weeds in sugarcane	Journal of Sugarcane Research	1(2):78-81

PAPERS UNDER REVIEW

1.	G. Seshagiri, K. V. Naga Madhuri , C. Masthan Reddy, G. Prabhakar Reddy and Y.Sharath Kumar Reddy	2013	Effect Of Integrated Nutrient Management On Stalk Yield And Juice Quality Of Sweet Sorghum	Sugar Tech , An International Journal of Sugar crops and related industries.	Under Review
2.	Y.Sharath Kumar Reddy, K.V.Naga Madhuri , V.Raja Rajeswari and P.Sudhakar	2013	Evaluation Of Promising Early Sugarcane Clones Suitable For Delayed Harvest	Sugar Tech , An International Journal of Sugar crops and related industries.	Under Review
3.	K.V. Naga Madhuri , P.Chandrasekhar Rao M.Subba Rao,T.Prathima and V.Giridhar	2012	Adsorption-desorption of atrazine on Vertisols and Alfisols of Hyderabad,India	Indian Journal of Weed Science	Under Review
4.	K.V. Naga Madhuri , G.Seshagiri, G. Prabhakar Reddy and Y.Sharath Kumar Reddy	2013	Integrated nutrient management in sweet sorghum – Brief work done in India	Agricultural Reviews	Under review

INTERNATIONAL CONFERENCES

S.No	Authors	Year	Title of publication	Name of the journal/publication(P.No)
1.	Kandula Venkata Naga Madhuri ,Palli Chandrasekhar Rao and Akam Sreenivasa Raju	1998	Influence of natural vegetation and cultivation on organic matter content in soils of Rajendranagar,Hyderabad,India (Full length paper)	16 th World Congress of Soil Science held from 20-26 th august,1998 at Montpellier, France. Scientific Registration n0:54,symposium n0:7
2	K.V.Naga Madhuri , M. Subba Rao and Amit Kumar Pradhan	2011	Bio-efficacy studies on Prathista soluble organic fertilizers through fertigation in sugarcane (Full length paper)	Presented during 2nd Asian PGPR Conference August 21-24, 2011, Beijing, P.R. China. (493-500)
3.	K.V. Naga Madhuri , N.Sreerami Reddy and M.Subba Rao	2012	Bio efficacy studies on organic fertilizers through fertigation in sugarcane (Abstract)	Presented during International Symposium on New paradigms in sugarcane held at SBI, Coimbatore during 15-18 th October,21012. (86-87)
4.	K.V. Naga Madhuri , P. Chandrasekhar Rao and T. Prathima	2012	Effect of atrazine, a pre emergence herbicide on soil enzyme activity in an Alfisol (Abstract)	Presented during International Conference on Anthropogenic Impact on the Environment and Bioremediation' -ICAIEB2012), 26th – 28 th November, 2012 at Tirupati, Andhra Pradesh. (75)
5.	P.Sudhakar, TNVKV.Prasad,P.Latha, K.V.Naga Madhuri T.Giridhara Krishna	2012	Nano biotechnology: Nano scale plant nutrients – A boon or Bane (Abstract)	International Conference on Environmental impact on human health and therapeutic challenges, December 20-22,2012. (61-62)
6.	NV Sarala, M. Hemanth Kumar, K.V. Naga Mahuri , M.Subba Rao, L.Madhavi latha, TM.Hema lathaN.Sabitha and V.Giridhar	2012	Effect of nitrogen and intercropping on yield and quality of sugarcane under wide row planting in sandy loam soils (Abstract)	Presented during International Symposium on New paradigms in sugarcane held at SBI, Coimbatore during 15-18 th October,21012. (71-72)
7	VajanthaB, K.V.NagaMadhuri , M.HemanthKumar, M.Subba Rao	2012	Effects Of Sugarcane Trash Burning And Remedial Measures (Abstract)	Presented during International Conference on Anthropogenic Impact on the Environment and Bioremediation' - (ICAIEB2012), 26th – 28 th November, 2012, SV.University, at Tirupati, Andhra Pradesh. (65-66)
8.	Prathima T , K. V. Naga Madhuri , A. Muneendra Babu and T. Giridhar Krishna	2012	Estimation Of Congress Grass (Parthenium Hysterophorus) Invasion In Cropped And Non Cropped Areas Of Rayalseema Districts Of Andhra	Presented during International Conference on Anthropogenic Impact on the Environment and Bioremediation' - (ICAIEB2012), 26 th -

			Pradesh, India (Abstract)	28 th November, 2012, S.V. Univ. at Tirupati, Andhra Pradesh. (50-51)
9.	Y.Sarath Kumar Reddy, K.V.Naga Madhuri , V.Raja Rajeswari and P.Sudhakar	2013	Effect of delayed crush on cane yield and juice quality of promising early maturing sugarcane clones (Abstract)	International conference on Bio-Resource and stress management, February 6-9, 2013, Kolkata, India. (45)
10.	NV Sarala, M. Hemanth Kumar, K.V. Naga Mahuri , M.Subba Rao, L.Madhavi latha, TM.Hemalatha and N.Sabitha and V.Giridhar	2012	Trash mulching- moisture conservation and to avoid trash burning technique in sugarcane crop (Abstract)	International seminar on current trends in environmental toxicology and experimental therapeutics (70)
11.	S. KR. Yellareddygari, K. Vijay Krishna Kumar, H. Sudini, E. C. Surendranatha Reddy, K. V. Naga Madhuri , K. Suresh, B. Ravindra Reddy, S. Hemalatha, Ahmad Al-Turki, Mohamed A.El-Meleigi and M. S. Reddy	2013	Efficacy of IR-4 priority A products in managing <i>Pythium</i> root rot of Petunia (Full paper) Accepted	3rd Asian PGPR Conference to be held in Manila, Philippines from April 21-24, 2013
12.	S. KR. Yellareddygari, K. Vijay Krishna Kumar, H. Sudini, E. C. Surendranatha Reddy, K. V. Naga Madhuri , P. Sudhakar, K. Suresh, S. Hemalatha, B. Ravindra Reddy, Ahmad Al-Turki, Mohamed A.El-Meleigi and M. S. Reddy	2013	Evaluation of certain products for control of <i>Xanthomonas campestris</i> pv. <i>pelargonii</i> in geranium seedlings under greenhouse conditions (Full paper) Accepted	3rd Asian PGPR Conference to be held in Manila, Philippines from April 21-24, 2013

NATIONAL AND STATE LEVEL CONFERENCES

1.	K.V.Naga Madhuri , M. Subba Rao, N.V. Sarala, M.Hemanth Kumar and T.Prathima	2013	Influence of water soluble organic fertilizers through fertigation on yield and quality of sugarcane. (Full paper)	One Day Joint Seminar, 2013 on “Water Management in Sugarcane Cultivation with respect to Drip Irrigation and Nutrient Application” organized by SISSTA at Shankeshwar.
2.	K.V.Naga Madhuri , M. Subba Rao, M.Hemanth Kumar, N.Sreerami Reddy, T. Giridhara Krishna, K. Vijay Krishna Kumar, V.Sai Sruthi, T.Prathima and N.V. Sarala	2012	Influence of organic fertilizers on prevalence of fungal and bacterial antagonists in sugarcane (<i>Saccharum officinarum</i>) (Abstract)	National seminar on Advances in Microbial Technology, 13-14 th February,2012,SPMVV, Tirupati.(6)
3.	L.Madhavi Latha, R.P. Singh, A.L.Rao,M.Subba Rao, K.V. Naga Madhuri ,T.Hema Latha and N.V.Sarala	2012	Characterization study of native azospirillum isolates from rice fields of Uttar Pradesh (Abstract)	National seminar on Advances in Microbial Technology, 13-14 th February,2012,SPMVV,Tirupati. (2)
4.	T.M.Heam Latha, M.Hemanth Kumar, M. Subba Rao, K.V. Naga Madhuri , L.Madhavi Latha and N.V. Sarala	2012	Survey and etiology of sugarcane yellow leaf virus causing yellow leaf disease (Abstract)	National seminar on Advances in Microbial Technology, 13-14 th February,2012,SPMVV,Tirupati. (17)
5.	Naga Madhuri KV , Subba Rao M, Hemanth Kumar M, Sarala NV, Prathima T, Madhavi lata L, Hemalatha TM	2012	Jaggery –Nutritive and ecofriendly sweetener (Abstract)	National seminar on A Holistic approach towards Health and Wellbeing at Sri Padmavti Mahila Visvavidyalayam Tirupati, A.P. during 22 nd and 23th February 2012. (29)
6.	L.Madhavi Latha, M. Subba Rao, M.Hemanth Kumar, K.V.Naga Madhuri , T.Hema Latha, N.V. Sarala and N.Sabitha	2012	Importance of value addition to nutritious millets for promoting health (Abstract)	A Holistic approach towards Health and Wellbeing at Sri Padmavti Mahila Visvavidyalayam Tirupati, A.P. during 22 nd and 23th February 2012. (27)
7.	T.Prathima,P.Lata,P.Sudha kar,C.Rjiya,A.M.babu,G.krishna Reddy, K.V.Naga Madhuri , V.Saisruti	2012	Identification of medicinally important weedspecies and their significance in overcoming malnutrition (Abstract)	A Holistic approach towards Health and Wellbeing at Sri Padmavti Mahila Visvavidyalayam Tirupati, A.P. during 22 nd and 23th February 2012. (26)
8.	M. Guru Prasad., K. Vijay Krishna Kumar. , B. V.	2012	Studies on characterization and enhancement of seedling vigor	National Conference on “Modern Innovations and Approaches in

	Bhaskara Reddy., M. Reddi Kumar., V. Sai Sruthi., Y. Sivaprasad., A. Sujitha., K. V. Naga Madhuri., T. M. Hemalatha and K. Raja Reddy.		by certain Plant Growth-Promoting Rhizobacteria (PGPR) in sugarcane. (Abstract)	Biotechnology (NCMIAB-2012), 29 th Feb to 1 st Mar 2012. (25)
9.	K.V.Naga Madhuri , M. Subba Rao, M.Hemanth Kumar, N.V. Sarala, L.Madhavi Latha T.Hema Latha, N.Sabitha, and V.Giridhar	2012	Effect of micronutrients on yield and quality of sugarcane (Full paper)	25 th meeting of Sugarcane Research & Development Workers of AP,20-21 st ,July,2012. (43-46)
10.	N.V.Sarala, K.V.Naga Madhuri , M.Hemanth Kumar, M. Subba Rao,, L.Madhavi Latha T.Hea Latha, N.Sabitha, and V.Giridhar	2012	Influence of nitrogen fertilizer and intercropping on yield and quality of sugarcane under wide row planting (Full paper)	25 th meeting of Sugarcane Research & Development Workers of AP,20-21 st ,July,2012. (64-65)
11.	N.V.Sarala, K.V.Naga Madhuri , M.Hemanth Kumar, M. Subba Rao, L.Madhavi Latha T.Hema Latha, N.Sabitha, and V.Giridhar	2012	Studies on cropping intensity in sugarcane based cropping system under irrigated conditions (Full paper)	25 th meeting of Sugarcane Research & Development Workers of AP,20-21 st ,July,2012. (66-67)
12.	K. Prabhakar, M.subba Rao, K. Rama Subbaiah, K.V. Naga Madhuri and G.Karunasagar	2012	Performance of promising sugarcane varieties in Alfisols (Full paper)	25 th meeting of Sugarcane Research & Development Workers of AP,20-21 st ,July,2012. (121)
13.	M.Hemanth Kumar,K.Prasada Rao, K.R. Tagore, M.Jaya Prakash, L.Madhavi Latha, N.Sabitha,G.Sekhar, K.V.Naga Madhuri , N.V.Sarala and TM.Hemalatha	2012	2003T121-A promising early maturing clone (Full paper)	25 th meeting of Sugarcane Research & Development Workers of AP,20-21 st ,July,2012. (25-26)
14.	L.Madhavi Latha, M. Subba Rao, M.Hemanth Kumar, K.V.Naga Madhuri , T.Hema Latha, N.V. Sarala and N.Sabitha	2012	Vakula (PPR 2700) – A high yielding Ragi cultivar (Abstract)	National conference on Current trends in food security to meet National Nutritional Challenges. (223)
15.	V.Raja Rajeswari, N.V.Naidu,Y.Sarath Kumar Reddy, K.V.Naga Madhuri ,P.Sudhakar and N.Sabitha	2012	Influence of crop age on juice quality of sugarcane (Abstract)	National seminar on Physiological and molecular approaches for development of climate resilient crops,December,12-14,2012 at ANGR Agril.University.
16.	Naga Madhuri K.V ,	2010	2003V46- low nitrogen	24 th meeting of Sugarcane

	Hemanth kumar and Sarala N.V		requiring variety (Full paper)	&development workers of A.P.(41-43)
17.	Naga Madhuri K.V , L. Madhavi latha, R.Rama Subba Reddy, Hemanth Kumar and Sarala N.V	2010	Evaluation of Sweet sorghum varieties and hybrids for cane yield and juice quality in sandy loam soils (Full paper)	24 th meeting of Sugarcane &development workers of A.P.(80-81)
18.	K.V.Naga Madhuri , M.JayaPraksah and N.V.Sarala	2008	Effect of enriched pressmud cake on yield and quality of sugarcane (Full paper)	27 th Biennial workshop of AICRP on sugarcane. (39-41)
19.	K.V.Naga Madhuri M.JayaPraksah and N.V.Sarala	2007	Effect of integrated nitrogen management on yield and quality of sugarcane ratoon crop (Full paper)	22 nd meeting of Sugarcane &development workers of A.P.(59-60)
20.	N.V.Sarala ,A.Muneendra Babu and K.V.Naga Madhuri	2007	Response of sugarcane to fertigation intervals (Full paper)	23 rd meeting of Sugarcane &development workers of A.P.(61-62)
21.	N.V.Sarala ,A.Muneendra Babu and K.V.Naga Madhuri	2007	Effect of fertilizer nitrogen and organic manures on cane yield(Full paper)	23 rd meeting of Sugarcane &development workers of A.P.(62-63)
22.	M.JayaPraksah K.V.Naga Madhuri and K.R.Tagore	2007	Performance of 97R129 an early mid cane(Full paper)	23 rd meeting of Sugarcane &development workers of A.P.(61-62)
23.	K.V.Naga Madhuri , A.Muneendra Babu and M.JayaPraksah	2006	Effect of integrated nitrogen management on yield and quality of sugarcane in sandy loam soils (Full paper)	21 st meeting of Sugarcane &development workers of A.P. (27-28)
24.	M.JayaPraksah K.V.Naga Madhuri and A.Muneendra Babu	2006	Reaction of sugarcane genotypes to red rot at ARS,Perumalapalle (Full paper)	21 st meeting of Sugarcane &development workers of A.P.(91-92)
25.	M.JayaPraksah K.V.Naga Madhuri and K.R.Tagore	2006	Performance of early maturing sugarcane clones in advanced varietal trial at ARS, Perumallapalle (Full paper)	21 st meeting of Sugarcane &development workers of A.P.(100-101)
26.	K.V.Naga Madhuri , A.Muneendra Babu,A.V.RamanReddy R.Tagore	2005	Role of biofertilisers in sugarcane cultivation	Silver jubilee souvenir of SRS, Vuyyur.(25-26)
27.	A.Muneendra Babu,A.V.RamanReddy R.Tagore K.V.Naga Madhuri	2005	Drip irrigation in sugarcane farming	Silver jubilee souvenir of SRS, Vuyyur. (30-31)
28.	K.V.Naga Madhuri	2004	Micronutrients in sugarcane	Region level Training programme manual on sugarcane production technologies.(20-24)

29.	K.V.Naga Madhuri, K.PrasadRao,K.Sreenivasulu Reddy and A.Muneendra Babu	2003	Effect of Integrated Application of Inorganic nitrogen with Pressmud on yield and quality of sugarcane (Full paper)	21 st meeting of Sugarcane & development workers of A.P.(65-67)
30.	K.V.Naga Madhuri, P.Chandrasekhar Rao and A.Sreenivasa Raju	1999	Effect of long term application of fertilizers on soil organic matter and fertility (Abstract)	63 rd Annual convention of Indian Society of Soil Science held at Bhopal. (116)

POPULAR ARTICLES (Telugu)

S.No	Authors	Year	Title of publication	Name of the journal/publication	Vol.& Page Nos
1.	K.V.Naga madhuri, M.Subba Rao and T.Giridhara Krishna	2013	Karsi cherakulo sasya rakshana	Rythe raju Eenadu daily	January,14 th
2.	K.V.Naga Madhuri	2012	Nanyamina bellam tayariki melakuvalu	Annadata	January,34-35
3.	K.V.Naga Madhuri	2012	Pantalalo sukshama poshakala avasyakata	Annadata	September,52-53
4.	K.V.Naga Madhuri	2012	Karsi thotallo adhika digubadiki melaina yajamanya padhatulu	Rythunestham	November,61-62
5.	K.V.Naga Madhuri	2012	Cherkusagulo kharchu tagginche paddatulu	Annadata	December,34-35
6.	K.V.Naga Madhuri	2012	Cheraku panta digubadipina,nanyatapina sukshma poshakala prabhavam	Panchadara cheraku	November,12-13
7.	N.V.Sarala, M.Subba Rao, K.V.Naga Madhuri	2012	Cheraku sagulo melynaya yajamanya paddatulu	Annadata	January,30-31
	N.V.Sarala, K.V.Naga Madhuri	2012	Antara pantalu, pratyamnaya pantalu evi cheyali?	Rythu nestam	May,43-44
8.	L.Madahavilatha,M.SubbbaRao,N.V.Sarala, K.V.NagaMadhuri, T.M.Hemalata and Sabitha	2012	Ragula poshaka viluvalu avasyakata	Rythu nestam	June,60-61
9.	N.Sabita,M.Hemanth Kumar, K.V.Naga Madhuri, M.Subba Rao	2012	Cheraku pantalo vittanamyokka molaka sakthi pradhanyatha	Panchadara cheraku	June,8-9
10.	N.Sabita,M.Hemanth Kumar, M.Subba Rao, K.V.Naga Madhuri, L.Madahavilatha,N.V.Sarala	2012	Cherakulo jada chuttu vidhanam- Avasyakata	Panchadara cheraku	September,9-10
11.	L.Madahavilatha,M.SubbbaRao, M.Hemanth Kumar, K.V.NagaMadhuri, T.M.Hemalata and Sabitha	2012	Bhvishyattulo chiru dhanyala pantala pramukhyata- vati viniyogam	Agri clinic	November,7-9

12.	K.V.Naga Madhuri	2011	Adhika mariyu nanyamina cheraku digubadiki nariketappudu tisukovalsina jagrattalu	Annadata	January,8
13.	K.V.Naga Madhuri, M.JayaPraksah, K.Rama Kumar Reddy, N.V.Sarala,G.Sekhar and L.Madhavilatha	2010	Cheruku panta digubadipi, nanyatapi sulphur prabhavam	Panchadara cheraku	December,20
14.	K.V.Naga Madhuri	2010	Cheraku sagulo jadachuttu- avasyakata	Rythu nestam	November,15
15.	K.V.Naga Madhuri	2010	Cheraku pantaku kavalsina bhusara paristitulu	Annadata	August, 8-9
16.	K.V.Naga Madhuri and M. Hemanth Kumar	2010	Cheraku karsi thotallo adhika digubadiki suchanalalu	Annadata	July, 46-47
17.	K.V.Naga Madhuri	2010	Cheraku sagulo jeevana eruvulu- pramukhyata	Panchadara cheraku	April, 8-9
18.	K.V.Naga Madhuri	2010	Cherakulo antara pantala sagu labhadayakam	Panchadara cheraku	February, 24-26
19.	K.V.Naga Madhuri	2010	Cherakulo antara pantala sagu labhadayakam	Annadata	January,54-55
20.	K.V.Naga Madhuri	2010	Cherakulo neeti eddadi paristitululo dhika digubadiki suchanalalu	Panchadara cheraku	January, 14-15
21.	K.V.Naga Madhuri	2009	Choudu bhumullo cheraku sagu-yajamanya paddatulu	Panchadara charaku	December, 25- 26
22.	K.V.Naga Madhuri	2009	Cherakulo potash avasykata	Eenadu Rythe raju	December,8
23.	K.V.Naga Madhuri	2009	Cherakulo adhika digubadulaku suchanalalu	Panchdara cheraku	September,19
24.	K.V.Naga Madhuri, M. Hemanth Kumar and N.V. Sarala	2009	Ceraku sagulo jadachuttuta prayojanlu	Panchadara Cheraku	September,24
25.	K.V.Naga Madhuri, M. Jayaprakash and N.V. Sarala	2009	Chraku panta digibadipina,nanyatapina filter maddi prabhavam	Panchadara cheraku	January, 15-16
26.	K.V.Naga Madhuri	2009	Cheraku sagulo inumu,avasykata,lopalakshnalalu, nivarana	Panchadara chraku	September,9
27.	K.V.Naga Madhuri, M,Jayaprakash,	2008	Cheraku sagulo cheraku chetta viniyogam	Annadata	May,23
28.	M.Jayaprakash and K.V.Naga Madhuri	2008	Cheraku sagulo swalpikalika rakala patra	Annadata	May,27
29.	K.V.Naga Madhuri,G.Sekhar and M.Jayaprakash	2007	Cheraku sagulo sukshma poshaka lopalu-nivarana	Annadata	July, 38
30.	K.V.Naga Madhuri	2007	Nanyamina digubadiki chaeraku narile smayamlo tisukovalsina jagrattalu	Annadata	January,43

31.	K.V.Naga Madhuri	2007	Eraku totallo dudekula purugu-nivarana	Annadata	January,51
32.	K.V.Naga Madhuri	2007	Bellam tayarilo melukuvalu	Panchadara cheraku	January, 9
33.	G.Sekhar, N.V. Sarala and K.V.Naga Madhuri	2007	Cherakulo sasya rakshana	Mana rythuvani	January, 28-29
34.	G.Sekhar, N.V. Sarala and K.V.Naga Madhuri	2007	Cherakulo sasya rakshana	Rythu nestham	January, 19-21
35.	N.V. Sarala and K.V.Naga Madhuri	2006	Cheraku sagulo yajamanya paddatulu	Panchadara cheraku	December,13
36.	N.V. Sarala and K.V.Naga Madhuri	2006	Cheraku sagulo yajamanya paddatulu	Mana Rythuvani	December,8-9
37.	K.V.Naga Madhuri	2006	Aratithitala pempakamlo pshakala yajamanyam	Annadata	September,42
38.	K.V.Naga Madhuri	2006	Kanakambaram pula sagulo Melina yajamanya paddatulu	Annadata	June, 31
39.	K.V.Naga Madhuri	2006	Kobbarisagulo poshakala yajamanyam	Annadata	May , 45
40.	K.V.Naga Madhuri	2006	Chini nimma thotallo poshakala yajamanyam	Annadata	February,40-41

RADIO TALKS

S.No.	Topic	Place
1	Cherakulo Sukshma Poshakala Avasyakatha, Lopa lakshnalu, Nivarana charyalu	AIR, Kadapa
2	Cherakulo Dudekula Purugu – Nivarana charyalu	AIR, Tirupati
3	Cherukulo Inumu, Zinku Sukshma Poshakala Lopa Lakshnalu, Nivarana”	AIR, Tirupati
4	Cheraku nariketappudu tisukovalsina jagrattalu	AIR, Tirupati
5	Cherakulo eruvula yajamanyam	AIR, Tirupati
6	Cherakulo adhika digubadiki Melina yajamanya paddatulu— phone-in programme	AIR, Tirupati
7	Cherakulo nutana rakalu yajamanya paddatulu- phone- in- live programme at AIR,Tirupati	AIR, Tirupati
8	Cheraku sagu- Phone-in-liveprogramme at AIR,Tirupati	AIR, Tirupati
9	Chaerakulo jada chuttuta avasykata _ AIR,Kadapa	AIR, Kadapa

T.V. PROGRAMMES

S.No	Topic	Place
1	Cherukulo Inupa Dathu Lopam – Nivarana Charyalu	E-T.V
2	Cheruku Maradamu Thotalo Adhika Digubadiki Suchanalalu	E-T.V
3	Cherukulo Anthara Krushi – Jada Chuttuta – Matti Yaga Veyatam” – Electronic wing telecasted in DD Channel.	Electronic wing, ANGRAU
4	Cherukulo Yeruvula Yajamanyam	E-T.V
5	Cherukulo Korada masi Tegulu – Nivarana Charyalu	E-T.V
6	Cherukulo Peeku Purugu	E-T.V
7	Cherukulo Vitthanam yampika, Vitthana Suddi, Natu Paddathi	E-T.V
8	Cherukulo Sukshma Posakala Yajamanyam	E-T.V
9	Cherukulo Jeevana Yruvulu – Pramukyatha	E-T.V
10	Cherakulo eruvala Yajamanyam- Electronic wing,ANGRAU	Electronic wing, ANGRAU
11	Bhusara parikha-avasykata - Electronic wing,ANGRAU	Electronic wing, ANGRAU
12	Nanyamina bellam tayariki suchanalalu	Electronic wing, ANGRAU

TECHNICAL BULLETINS

TECHNICAL BULLETINS:	
S.No	Name of the technical bulletin
1	Cherakulo melina rakalu mariyu yajamanya paddatulu
2	Cheraku sagulo jeevana eruvula pramukhyata
3	Cheraku sagu- Melyna yajamanya paddatulu
4	Sajja sagu-yajamanya paddatulu
5	Ragi pantalo adhika digubadiki yajamanya paddatulu

PG GUIDANCE

As Member:

Awarded Students:

S.No	Name of the student	Topic	Year	M.Sc/Ph.D
1.	S. Nadhamuni	Evaluation of promising sugarcane varieties for tolerance to post harvest deterioration in Southern zone of Andhra Pradesh	2009	M.Sc, Sugarcane Technology, TNAU
2.	U. Siva Krishna	Genetic studies in plant and ratoon crops of sugarcane (<i>Saccharum officinarum</i>)	2010	M.Sc (Ag), Plant Breeding, S.V. Agril.College, ANGRAU
3.	G.Seshagiri	Integrated nutrient management in Sweet Sorghum (<i>Sorghum bicolor(L.) Moench</i>) in sandy loam soils	2011	M.Sc (Ag), Soil Science, S.V. Agril.College, ANGRAU
4.	Y. Sharath Kumar Reddy	Identification of sugarcane clones suitable for delayed harvest and crushing	2012	M.Sc (Ag), Plant Physiology, S.V. Agril.College, ANGRAU
5.	M. Jayaramudu	Effect of spacing and nutrients on sugarcane for seed cane production	2012	M.Sc (Ag), Agronomy, S.V. Agril.College, ANGRAU
6.	Sanwer Mal Seemavath	Nutrient management in pre release finger millet variety (PPR- 2700) for enhanced quality and yield	2012	M.Sc (Ag), Agronomy, S.V. Agril.College, ANGRAU

As Major :

In Progress:

S.No	Name of the student	Topic	Year	M.Sc
1	S. Bhanu Prasad Reddy	Nutrient requirement for Bajra crop for Southern zone of AP	2012-13	M.Sc (Ag) Soil Science, S.V. Agril.College, ANGRAU

As Member:

S.No	Name of the student	Topic	Year	Ph.D
1.	Y. Pawan Kumar Reddy	Not yet decided	2012-13	Ph.D (Agronomy) S.V. Agril.College, ANGRAU
2.	Y. Sharath Kumar Reddy	Zn fortification studies in paddy	2012-13	Ph.D (Physiology) S.V. Agril.College, ANGRAU
3.	M. Deepa	Effect of Nano Calcium on Groundnut	2011-12	Ph.D (Physiology) S.V. Agril.College, ANGRAU

VARIETIES

FINGER MILLET:

PPR 2700 released as **Vakula** during 2012

TECHNOLOGIES

1. **Sulphur Requirement: Sulphur application @ 80 Kg/ha** through Gypsum gave significantly higher yields and given **good color to Jaggery**. This result i.e. application of sulphur @ 80 Kg/ha through **Gypsum** has given to farmers and got good response from farmers.
2. **Integrated Nutrient Management: INM** technology to sugarcane was evaluated and popularized in Chottoor Dist through Rass, KVK.
3. **Jaggery varieties:** Evaluated **Jaggery varieties** suitable for the southern zone. **2003 T 121, 2003V46 and 2005 T 16** are identified as suitable for Jaggery making. It is proposed to give these new varieties to farming community. 2003 V 46 is already popularized in farming community including jaggery making farmers.
4. **Varieties for delayed harvest and tolerance to post harvest deterioration:** Identified two varieties viz., **2003V 46 and 2005 T 16** as **tolerant to post harvest deterioration and delayed harvest**.
5. **Trash utilization:** Vermi composting with Sugarcane trash is popularized to avoid trash burning.
6. **Value addition to Jaggery:** As a part of value addition, adopted powder jaggery technology and popularising the same in the zone.
7. **Organic Jaggery :** Technology on Organic cultivation of sugarcane and organic jaggery preparation was developed.
8. **Nitrogen use efficiency:** Identified the variety 2003V46 as low nitrogen requiring variety and recommended for general cultivation in marginal soils.
9. **Nitrogen requirement for Sweet Sorghum:** Application of nitrogen @ 80 kg/ha is economical and optimum for high cane and sugar yield in sandy loam soils of the zone.
10. **Research on Ragi:** Pre release ragi varieties were evaluated for nitrogen requirement and 60 kg N/ha in kharif and 80 kg N/ha rabi is found optimum.

RESEARCH PROJECTS

S.No	Name of the project	Year	Amount (Rs)	Out come
Intensification of Research (State plan):				
1	Organic farming in sugarcane	2007-12	5,00,000	Among different sources of organic manures tested, PMC @12.5 t/ha as basal + Azotobacter (5Kg/ha)+ PSB (10Kg/ha) recorded highest cane yield followed by PMC @12.5 t/ha as basal. Lowest yields were recorded in neem cake applied plots
Paid up trials:				
1.	Comparative performance of prilled urea vs granular urea- IFFCO	2008 – 10 Two years	1,20,000	Among two forms of urea i.e granular and prilled, yield increase of 2.02t/ha due to application of granular urea was observed. Among the doses 125% RDF recorded significantly highest yield of 139.25t/ha and lowest yield of 90.78 t/ha was recorded with 50%RDF.
2.	Bio efficacy studies on soluble organic fertilizers through fertigation in sugarcane- Prathista Industries LTD	2010-12	1,20,000	The results indicated that 100% Prathista organic soluble NPK bio fertilizers through fertigation in sugarcane contributed to higher cane yield, more number of millable canes, high quality juice and jaggery over other treatments. Higher B:C ratio with soluble organic fertilizers through fertigation compared to inorganic chemical fertilizers was observed. Use of recommended dose of fertilizers through chemicals can be reduced by 50% or by 100% with the application of Prathista organic NPK fertilizers. Application of organic soluble fertilizers contributed not only to overall increase of yield and quality of sugarcane but also to reduce cost of cultivation.
3.	Evaluation of customized fertilizers in sugarcane- NFCL	2011-12	60,000	The results indicated that application of customized fertilizers (T8 and T7) in sugarcane contributed to higher cane yield, more number of millable canes and high quality juice over other treatment
RKVY Project:				
1.	Development of nano material based micronutrient formulations for enhanced crop productivity of groundnut and paddy	2012-13	12.5 lakhs	In progress

LECTURES DELIVERED

S.No	Authors	Year	Title of publication	Name of the journal/publication	Vol.& Page Nos
1.	K.V.Naga Madhuri	2004	Micronutrients in sugarcane	Region level Training programme manual on sugarcane production technologies	20-24
2.	K.V.Naga Madhuri, A.Muneendra Babu,A. V.RamanReddy R.Tagore	2005	Role of biofertilisers in sugarcane cultivation	Silver jubilee souvenir of SRS, Vuyyur	25-26
3.	A.Muneendra Babu,A. V.RamanReddy R.Tagore K.V.Naga Madhuri,	2005	Drip irrigation in sugarcane farming	Silver jubilee souvenir of SRS, Vuyyur	30-31
4.	Naga Madhuri K.V	2009	Micronutrients in agriculture	Training on Methods to improve agriculture water use efficiency	-
5.	K.V.Naga Madhuri	2009	Integrated Nutrient management	Training on Methods to improve agriculture water use efficiency	-
6.	K.V.Naga Madhuri	2010	Fertigation in sugarcane	Training manual on scaling up of water productivity in agriculture	30-41
7.	K.V.Naga Madhuri	2010	Importance of organic manures in soil health	Training on Soil health management for adarsa rythus	-
8.	K.V.Naga Madhuri	2012	Integrated nutrient management in major crops	Training for farmers of Rayalaseema organized by IFFCO	-
9.	K.V. Naga Madhuri	2013	Parameters influencing quality jaggery preparation from sugarcane	Training on Commercial crop production at RARS,Tirupati	-
10.	K.V. Naga Madhuri	2013	Preparation of Vermicompost	Training for farmers of Anantapur Dist organized by NGO	-

TRAININGS

1. **Orientation and Refresher** training course for 10 days from 22-31, July,2002 at ANGRAU, Rajendranagar.
2. International winter school for 21 days on **Methods to improve agricultural water productivity** from 20.1.2008-10-2-2008 at WTC, ANGRAU, Rajendranagar.
3. Attended winter school on **Processing, handling and storage of jaggery from sugarcane** organized by IISR, Lucknow, ICAR,from 10-2-2007 to 30-12-2007 for 21 days.
4. Attended summer school on **Advances in organic farming** organized at PDFSR, ICAR, Meerut,during 2-22-6-2009 for 21 days.
5. Attended one week training programme on **Data analysis using SAS** organized by NAARM, Rajendranagar during Feb,13-18,2012
6. Attended two day training programme on **Agril.commodity futures market** organized by School of Agribusiness management ANGRU30-31st Oct,2012 at SV College,Tirupati.

LAB DEVELOPMENT

- Developed good equipped Soil Science and quality analysis laboratory at Agricultural Research Station, Perumallapalle.
- Established furnaces, improved crushing facilities and equipped for value addition towards jaggery preparation.

COURSES TEACHING TO AGRICULTURAL POLYTECHNIC

S.NO	COURSE TITLE	CREDITS
1	DA121: Soil chemistry and fertility	(2+1)
2	DA122: Manures and fertilizers	(2+1)

LABORATORY MANUAL

Prepared practical manual in Telugu for **DA 121 (SOIL CHEMISTRY AND FERTILITY) for Agricluture Polytechnic Ist year** and submitted to the University for keeping in ANGRAU website.

FARM SUPERINTENDENT

I have acted as **Farm Superintendent** from September, 2010 to June, 2012 at Agriculture Resaerch Station, Perumallapalle and improved farm facilities and revolving fund by taking up seed production of different crops

K.V NAGA MADHURI

**SCIENTIST, SOIL SCIENCE
REGIONAL AGRICULTURAL RESEACH STATION
TIRUPATI**