CHANDRA REDDY, Dean and Director of Research and Extension

College of Agriculture, Human and Natural Sciences Tennessee State University (Box # 9641) 3500 John Merritt Blvd. Nashville, TN 37209

# **Educational Background**

1979-1982	Ph.D.	Agronomy.	University	of Florida.	1982. 3.89/4.00 G.P.A.

- 1975-1977 M.S. <u>Agronomy</u>, A. P. Agricultural University/International Crops Research Institute for Semi Arid Tropics (ICRISAT), 1977. **4.00/4.00 G.P.A. University Gold Medalist**.
- 1970-1974 B.S. <u>Agricultural Sciences</u>, A.P. Agricultural University, 3.86/4.00 G.P.A. **First Class with Distinction** and National Scholar.

## **Recent Professional Development Training**

- Food Systems Leadership Institute (FSLI), **Association of Public and Land-Grant Universities (APLU)**, Washington, DC.
- 2006 Management Development Program, **Harvard University**, Cambridge, MA.
- 2006 Innovation and Entrepreneurship, **Kauffman Foundation**, Kansas City, MO.
- New Deans Institute, Council of Graduate Schools, San Juan, PR.

# **Professional Experiences**

2008-Current **Dean and Director of Research and Extension**, College of Agriculture, Human and Natural Sciences, Tennessee State University, Nashville, TN 37209

## **Duties and Responsibilities:**

Responsible for leading the College that comprises four academic departments, one Research Institute, two research centers and the Cooperative Extension Program. The main responsibilities include providing a long-term vision for land grant and other programs in the College, policy making, resource management, integrating research, and extension components of the land-grant mission with academics, representing the College at the state, national, and international level organizations; developing productive linkages and cooperative arrangements with other public and private organizations, and improving the relations with Alumni, legislative representatives, farming groups, and other Stakeholders.

2001-2006 <u>Dean, School of Graduate Studies</u>, Alabama A&M University, Normal, AL. 35762

# **Duties and Responsibilities:**

Responsible for overseeing university-wide graduate programs and improving quality of graduate education and research at the University. The Dean plays leadership role in policy development for graduate education, reviewing new programs, and fostering interdisciplinary programs in collaboration with graduate faculty and graduate council. The Dean works closely with the academic departments and coordinates all aspects of graduate education and research including: admissions, programs of study, comprehensive examinations, thesis/dissertation research quality control, implementing assistantships, scholarships, and fellowship programs, appointment of graduate faculty, and curricula development and scheduling of graduate courses.

1994-2008	<b>Professor</b> , Alabama A&M University, Normal, AL., 35762.
1989-1994	Associate Professor, Alabama A&M University, Normal, AL 35762
1998-2001	Faculty Senate President, Alabama A&M University, Normal, AL.

## **Duties and Responsibilities:**

Responsible for teaching, research, and public service in the department of Natural Resources and Environmental Sciences. In addition to these basic duties and responsibilities, have played several leadership roles during my tenure. During 1998-2001, was elected three times consecutively as the President of the University's Faculty Senate and represented faculty on various university-wide governance committees and on University's Board of Trustees.

1989-1994 1983-1989	<b>Associate Professor</b> , Alabama A&M University, Normal, AL 35762 <b>Assistant Professor</b> , Alabama A&M University, Normal, AL 35762.
1984-1992	Adjunct Faculty, Purdue University, West Lafayette, IN 47907.
1982-1983	Research Associate, Agronomy Dept., Univ. of Florida, Gainesville, FL, 32611.
1976-1978	Research Fellow, Resource Management Program, ICRISAT, Hyderabad, India.
1974-1975	<b>Farming,</b> Family Farm, Annareddipalem, Nellore District, Andhra Pradesh State, India.

# **Select Recent Honors and Awards**

2010	Fellow, the Soil Science Society of America, Madison, WI.
2010	<b>Fellow</b> , the Food Systems Leadership Institute (FSLI), APLU, Washington, DC.
2010	<b>Outstanding Scientist</b> , the Association of Agricultural Scientists of Indian Origin (AASIO), Long Beach, CA.
2010	Member, The National Agricultural Research, Extension, Education, and Economics Advisory Board (NAREEEAB); appointed by the Secretary of Agriculture, US Federal Govt., Washington, DC.
2010	<b>Key-note speaker and Member of International Scientific Committee</b> , 1 and 2 <sup>nd</sup> International Conference on Environmental Management, Hyderabad, India. October, 2005 and 2010.
2010	Associate Editor and Member of the Editorial Board, Soil Science Society of America Journal (SSSAJ), 2006-2010.
2008	Community Service Award, EarthMatters, Nashville, TN
2008	<b>George Washington Carver Agricultural Excellence Award</b> , US State Dept/USAID, Washington, D.C.
2008	Chairman, Review Panel, National Program on Agronomic Cropping Systems, Agricultural Research Service /USDA, Washington, DC.
2008	Chairman, Symposium of Abiotic Stresses in Crop Production, International Crop Science Congress, Jeju, Korea.
2007	Chairman, Symposium on Environmental Remediation and Panelist along with Dr. Swamy Nathan on Climate Change, the Indian Science Congress, Visakhapatnam, AP (st), India.
2007	Member, Outstanding Scholar Awards Committee, Council of Southern Graduate Schools (CSGS), 2005-2007.
2007	Chair, Thesis/Dissertation Awards Committee, Council of Historically Black Graduate Schools, 2005-2007.
2006	Fellow, American Society of Agronomy.
2006	Researcher of the Month, Alabama A&M University, Normal, AL

2006	Member, Alabama Public Universities Task Force for Minority Faculty and Student Recruitment and Retention, UAB, Birmingham, AL, 2005-2006.
2005	<b>Member-at-large</b> and <b>Secretary,</b> Executive Committee, Alabama Council of Graduate Deans, 2003-2005.
2002	<b>Outstanding Service Resolution, Board of Trustees</b> , Alabama A&M University, Normal, AL 35762.
2002	<b>Certificate of Appreciation</b> , US Army Aviation and Missile Command/Redstone Arsenal, Huntsville, AL
2001	Outstanding Service Award, Faculty Senate, Alabama A&M University.
2001 and 199	4 <b>Outstanding Researcher Award,</b> School of Agricultural and Environmental Sciences, Alabama A & M University, Normal, AL 35762.
2000-2001	Faculty Representative on the University's <b>Board of Trustees</b> , Alabama A&M University, Normal, AL 35762
1998-2001	<b>President, Faculty Senate</b> , Alabama A&M University, Normal, AL 35762 (Elected unanimously in 1998, 1999, and 2000).
1997	Chairman, Faculty Affairs Committee/ Executive Committee, Faculty Senate, Alabama A&M University, Normal, AL 35762
1996	Member, <b>Scientific Advisory Board</b> , National Agricultural Research Institute, Niger.
1992	Meritorious Service Award, Ministry of Agriculture, Niger.
1990	Meritorious Service Certificate, Niger Research and Extension Services.

# Membership in professional societies

American Society of Agronomy
Soil Science Society of America
Soil and Water Conservation Society of America
Asian Agricultural Engineering Association
International Soil Science Society
International Soil Conservation Organization
West African Farming Systems Network

# Membership in honorary societies

Alpha Zeta Agricultural Honor Society, elected 1981

## Membership in academic/research organizations

1890 Agricultural Research Directors association 1890 Agricultural Extension Administrators association Association of Public and Land-Grant Universities

#### **Professional Service**

# Associate Editor and Member of the Editorial Board, Soil Science Society of America Journal, 2006-2010

## Reviewer for several professional journals including:

Agronomy Journal
Journal of Farming Systems Research and Extension
Journal of Production Agriculture
Journal of Crop Science
Journal of Natural Resources and Life Sciences Education.
Tropical Agriculture
Canadian Journal of Soil Science
Soil Science Society of America Journal
Journal of Hazardous Materials
Journal of Sustainable Agriculture

#### Book Reviewer:

Monograph on U.S. Cotton by Wayne , C. and J.Cothren, John Wiley and Sons, Inc., 1996.

#### **Select Committee Work**

Chair, Task Force on Academic Program Prioritization, TSU, 2009-present

Member, Search Committee for Vice President for Academic Affairs-2010

Chair, Student Research Awards, Agricultural Research Directors Conference, Atlanta, GA 2009

Chair, Academic Master Plan Committee on University Travel Procedures, TSU, 2008-2009

Member, Provost Advisory Council, TSU, 2008-present

Member, Workload Committee, TSU, 2008-present

Member, Academic Master Plan, TSU, 2008-present

Member, Internal Program Steering and Advisory Committee for the HBCU-UP

Program, TSU-2008-Present

Chair, Departmental Promotions and Tenure Committee, 2007

Councilor, Oak Ridge Associated Universities, 2001-2007

Member, International Program Advisory Committee, AAMU, 1984-2007

Member, Information Technology Advisory Committee, AAMU, 2005-2007.

Chair, Graduate Council, Alabama A&M University (AAMU), 2001-2006

Member, Academic Standards and Curriculum Committee, AAMU, 2001-2006

Member, Research Council, Alabama A&M University, 2000-2006.

Member, Planning and Budgeting Council, AAMU, 1998-2006.

Member, Institutional Effectiveness Committee, AAMU, 1998-2006.

Member, Provost's Academic Council, AAMU, 1999-2006

Member, Deans Council, Alabama A&M University, 2001-2006.

Member, Alabama Public Universities Task Force for Minority Faculty and Student Recruitment and Retention, UAB, Birmingham, AL. 2005-2006.

Member, Internal Executive Committee, Center for Forest Ecosystems Assessment, Alabama A&M University, 2004-2006.

Organizing Committee, International Conference on Environmental Management, Oct 28-30, 2005, Hyderabad, India.

Chair, Strategic Planning Committee-Viability-Productivity, Alabama A&M University, Normal, AL 35762, 2001-2004.

Member, Honorary Degree and Emeritus Professorship Awards Committee, Alabama A&M University, 1999-2001.

Member of the Strategic Planning Committee, School of Agricultural and Environmental Sciences, Alabama A&M University, 1998-2001.

Member of Faculty Reappointment Committee, Department of Plant and Soil Sciences, Alabama A&M University, 1994-2000.

Member, Curriculum Committee, Department of Plant and Soil Sciences, Alabama A&M University, 1992-2001.

Member, Promotions and Tenure Committee, AAMU, 1996-1998. Chair, Promotions and Tenure Committee, School of Agricultural and Environmental Sciences, Alabama A&M University, 1997-1998.

Chair, Inter-CRSP research planning, USAID, Niamey, Niger, 1995.

## **Teaching**

# **Courses Taught:**

SPS 616-Modeling Natural Resources Management SPS 416/516-Principles of Sustainable Agriculture SPS-554/454 Tropical Soils SPS 523/423-Tropical Food Crop Production SPS-101 Introduction to Plant Science

# **Courses Developed:**

SPS 416/516-Principles of Sustainable Agriculture SPS 616-Modeling Natural Resources Management

# **Graduate Student Committees (22)**

Ph. D. Dissertation Advisory Committees (8), Chairman for 4

M.S. Thesis Advisory Committee (14), Chairman for 8

## **Organization of Study Tours and Workshops**

Organized study tours for Nigerien scientists and administrators to several International Agricultural Research Centers; to International Crops Research Institute for Semi-Arid Tropics (ICRISAT), Hyderabad, India in 1985, 1988 and 1991; to International Livestock Center for Africa (ILCA) in 1986; to International Institute for Tropical Agriculture (IITA) in 1987; to US Universities and Research Centers in 1989 and 1991.

Conducted several national and international workshops in Niger; Extension Service Retraining Workshop- 35 participants, 1987 and 1989; International Seminar on the National Policy on Adaptive Research-50 participants, 1989; Traveling Seminar on Cropping Systems, 20 participants, 1989; Technologies transfer workshop-84 participants, 1991.

#### **Special Language Skills**

Fluent speaking, writing and reading capabilities in French, Hindi, and Telugu. Published, made documentaries, and gave Television interviews in French.

# **Professional Foreign Travel**

Australia, Cameroon, Canada, China, Ethiopia, India, South Korea, Malawi, Mali, Niger, Nigeria, Senegal, and Thailand.

# Research Projects and Grants (PI-\$3.0 million; Co-PI-\$13 million)

Carbon Sequestration in Cotton Production Systems. **\$1,250,000**. Agricultural Research Service/USDA. 2000-2010. **Principal Investigator**.

Professional Masters Program in Applied Statistics. **\$30,000**. Sloan Foundation/Council of Graduate Schools. 2005-2007. **Principal Investigator.** 

Evaluating and modeling soil carbon dynamics in conservation tillage cotton production systems. **\$298,000** United States Department of Agriculture. 2002-2006. **Principal Investigator.** 

Infusion of Precision Concepts in Agricultural Curricula. **\$210,000**. United States Department of Agriculture. 1998-2003. **Principal Investigator.** 

Developing sustainable soil management systems for cotton production in the Tennessee Valley. **\$402,000**. The Alabama Agricultural Experiment Station (AAES). 1996-2002. **Principal Investigator.** 

Experimenting and modeling cotton production systems. **\$272,203**. United States Department of Agriculture. 1996-2000. **Principal Investigator.** 

Assessment of soil vegetation conditions using hyperspectral data, GIS, and GPS technology. **\$124,176**. The Alabama Agricultural Experiment Station (AAES). 1996-1998. **Principal Investigator.** 

Experimenting and Modeling tomato production systems. \$20,000. United States Department of Agriculture. 1996-1999. **Principal Investigator.** 

Infusion of Sustainable Concepts in Agricultural Curricula. \$191,250. United States Department of Agriculture. 1993-1997. **Principal Investigator**.

Novel approaches to environmentally sound management of poultry waste. \$94,000. Alabama Universities and Tennessee Valley Authority Research Consortium (AUTRC)/Alabama Commission on Higher Education. 1993-1997. **Principal Investigator.** 

Integrating Crop Residues for N, K and Si Management in Sustainable Rice Production in Malawi. **\$99,988.**The United States Agency for International Development (USAID). 1994-1997. Co-Investigator

Integrated peanut production systems for Niger. **\$150,000**. The United States Agency for International Development (USAID). 1995-1997. **Principal Investigator**.

Agronomic and economic evaluation of crop residues as feed for small ruminants in Niger. **\$98,384.** The United States Agency for International Development (USAID). 1993-1994. Co-Investigator.

An Interdisciplinary holistic approach for assisting socially disadvantaged farmers. **\$25,000**. Farmers Home Administration. 1993-1994. Co-Investigator.

Cotton production systems. **\$6,000.** Training Project. USAID. 1994. **Principal Investigator.** 

Effect of row spacing and method of tillage on canopy cover and consequent soil erosion losses in cotton production systems. **\$20,059**. Soil Conservation Service. 1993. **Principal Investigator**.

Niger Applied Agricultural Research Project. **\$13,000,000**. The United States Agency for International Development (USAID). 1988-1992. Co-Investigator.

# **PUBLICATIONS (247)**

Refereed journal Articles 52 Books/Bulletins-4 Intl. Conference Proceedings -43 Extension publications-9 Technical reports-18 Research abstracts-78 Conference Presentations and Invited Lectures-43

## 1. Journal Articles

- 1. Sainju, U.M., Senwo, Z.N., Reddy,K.C. Nyakatawa, E.Z., and Tazisong, I.A. and Reddy, K.C. 2010. Poultry Litter Application Increases Nitrogen Cycling Compared with Inorganic Nitrogen Fertilization. Agronomy Journal 102 (3):917-925.
- 2. Reddy, S.S., Nyakatawa, E.Z., Reddy, K.C., Raper, R.L, Reeves, D.W. and Lemunyon, J. **2009.** Long-term effects of Poultry Litter and Conservation Tillage on Crop Yields and Soil Phosphorus in cotton-cotton-corn rotation. Field Crops Research 114:311-319.
- 3. Reddy, K. C., Reddy, S. S., Malik, R. K., Lemunyon, J. and Reeves, D. W. 2008. Nitrate movement and P, K, Ca and Mg accumulation in Soil as a result of 5-yr Continuous Poultry Litter Application for cotton. Agronomy Journal 100(4):1-9.
- 4. Sainju, U.M., Senwo, Z.N., Nyakatawa, E.Z., Tazisong, I.A. and K.C. Reddy. 2008. Tillage, croppin systems, and nitrogen fertilizer source effects on soil carbon sequestration and fractions. *J. Env. Quality* 37:880-888.
- 5. Reddy, K.C., Roberson, T., Reddy, S.S., Nyakatawa, E.Z., Raper, R.L., Reeves, D.W. and Lemunyon, J. 2008. Carbon dioxide efflux from soil with poultry litter applications in conventional and conservation tillage systems in North Alabama. *J. Env. Quality* 37:537-541.
- 6. Sainju, U.M., Senwo, Z.N., Nyakatawa, E.Z., Tazisong, I.A. and K.C. Reddy. 2008. Soil carbon and nitrogen sequestration as affected by long-term tillage, cropping systems, and nitrogen fertilizer sources. Agriculture, Ecosystems and Environment 127:234-240.
- 7. Nyakatawa, E. Z., Jakkula, V. Reddy, K.C., Lemunyon, J.L., Norris, Jr. B.E. 2007. Long-term effects of conservation tillage, cover crops, and poultry litter application on soil erosion estimates using RUSLE 2.0 computer model. *Soil and Tillage Research* 94: 410-419.
- 8. Reddy, K.C., Malik, R., K. Reddy, S.S., and Nyakatawa, E.Z. 2007. Cotton growth and yield response to nitrogen applied through fresh and composted litter. *The Journal of Cotton Science* 11:26-34.
- 9. Nyakatawa, E.Z., Reddy, K.C. and Reddy, K.R. 2004. Predicting cotton growth and yield in conservation tillage systems using GOSSYM model. *International Journal of Biotronics* 33:13-30.
- 10. Reddy, K.C., Nyakatawa, E.Z. and Reeves, D.W. 2004. Tillage and poultry litter application effects on cotton growth and yield. *Agronomy Journal* 96:1641-1650.

- 11. Boggs, J.L., Tsegaye, T.D., Coleman, T.L., Reddy, K.C. and Fahsi, A. 2003. Relationship between hyperspectral reflectance, soil nitrate-nitrogen, cotton leaf chlorophyll, and cotton yield: A step toward precision agriculture. *Journal of Sustainable Agriculture* 22 (3): 5-16.
- 12. Tsegaye, T.D. Ranatunga, T.D. and Reddy, K.C. 2003. Variation of soil dielectric constant, moisture holding capacity, and nitrate-nitrogen as influenced by application of fresh and compost poultry litter on a Decatur silt loam soil. *Journal of Sustainable Agriculture* 22 (2):55-73.
- 13. Malik, R.K. and Reddy, K.C. 2002. Effect of long-term poultry litter application to cotton on succeeding corn crop production. *Journal of Sustainable Agriculture* 19(4):47-59.
- 14. Nyakatawa, E.Z., Reddy, K.C. and Brown, G.F. 2001. Residual effects of poultry litter applied to cotton in conservation tillage systems on succeeding winter rye and corn. *Field Crops Research* 71:159-171.
- 15. Nyakatawa, E.Z., Reddy, K.C. and Sistani K.R. 2001. Tillage, cover cropping, and poultry litter effects on some soil chemical characteristics. *Soil and Tillage Research* 57: 440-451.
- 16. Nyakatawa, E.Z., Reddy, K.C. and Lemunyon, J.L. 2001. Predicting soil erosion in conservation tillage cotton production systems using the revised universal soil loss equation (RUSLE). *Soil and Tillage Research* 57:213-224.
- 17. Yaffa, S., Sainju, U.M., Singh, B.P. and Reddy, K.C. 2000. Fresh market tomato yield and soil nitrogen as affected by tillage, cover cropping, and nitrogen fertilization. *Hort Science* 35 (7):1258-1262.
- 18. Nyakatawa, E.Z., Reddy, K.C. and Mays, D.A. 2000. Tillage, cover cropping, and poultry litter effects on cotton: II. Growth and yield parameters. *Agronomy Journal* 92:992-999.
- 19. Nyakatawa, E.Z.and Reddy, K.C.. 2000. Tillage, cover cropping, and poultry litter effects on cotton: 1. Germination and seedling growth. *Agronomy Journal* 92:987-992.
- 20. Bukenya, J.O., Befecadu, J., Jones, H.S., Reddy, K.C. and Baiyee-Mbi, A. 2000. Economic feasibility of substituting fresh poultry litter for ammonium nitrate in cotton production. *Journal of Sustainable Agriculture* 16(1):81-89.
- 21. Sistani, K.R., Reddy, K.C., Kanyika, W. and Savant, N.K. 1998. Integration of rice crop residue into a sustainable rice production system. *Journal of Plant Nutrition* 21:1855-1866.
- 22. Thornton, F.C., Shurpali, N.J., Bock, B.R., and Reddy, K.C. 1998. N<sub>2</sub>O and NO emissions from poultry litter and urea applications to Bermuda grass. *Atmospheric Environment* 32:1623-1630.
- 23. Reddy, K.C., Visser, P.L. 1997. Cowpea intercrop growth and yield as affected by time of planting relative to millet. *African Crop Science* 5:351-357.

- 24. Sistani, K.R. Savant, N.K. and Reddy, K.C. 1997. Effect of rice hull ash silicon on rice seedling growth. *Journal of Plant Nutrition* 20:195-201.
- 25. Okali, C., Sumberg, J.E., and Reddy, K.C. 1994. Unpacking the package: Flexible message situations. In: *Beyond Farmer First-Rural people's knowledge, agricultural research and extension practice*. Eds. Ian Scoones and John Thompson. Publ: Intermediate Technology. Book Chapter.
- 26. Ibro, G., Lowenberg-Deboer, J., Reddy, K.C. and Maiga, S. 1994. Comparison of insect control measures on cowpea. *Journal of West African Farming Systems Research Network* 3:33-41 (Fr)
- 27. Okali, C., Sumberg, J, and Reddy, K.C. 1994. Unpacking the package: Flexible messages for dynamic situations. *Experimental Agriculture* 30:299-310.
- 28. Klaij, M.C., Renard, K.C. and Reddy, K.C. 1994. Low-input technology options for millet-based cropping systems in the Sahel. *Experimental Agriculture* 30:77-82.
- 29. Reddy, K.C., Visser, P.L., Renard, C. and Klaij, M.C. 1994. Continuous cropping effects of traditional millet/cowpea intercrop and improved sole millet and cowpea on soil and crop productivity. *Experimental Agriculture* 30:83-88.
- 30. Reddy, K.C. and Visser, P. 1993. Late Planting Effects on Early Versus Late Pearl Millet Genotypes in Niger. *Experimental Agriculture* 29:121-129.
- 31. Shapiro, B.I., Sanders, J.H., Reddy, K.C. and Baker, T.G. 1993. Evaluating and adapting new technologies in a high-risk agricultural system-Niger. *Agricultural Systems* 42:153-171.
- 32. Ibro, G., Kadi, M., Lowenberg-Deboer, J. and Reddy, K.C. 1992. The microeconomic viability of new technologies: the case of millet-cowpea intercropping in Niger. *La Review de la Recherche Agronomique* 2:49-57 (Fr).
- 33. Buckner, P., Reddy, K.C. and Serkin, A.H. 1992. Exploratory animal traction studies in millet/cowpea intercropping. *La Review de la Recherche Agronomique* 2:37-48 (Fr).
- 34. Visser, P.L., Reddy, K.C., Buckner, P., Oumarou, M. and Salou, M. 1992. After effects of millet and cowpea crops on soil fertility and productivity. *La Review de la Recherche Agronomique* 2:26-36 (Fr).
- 35. Reddy, K.C., Van der Ploeg, J. and Maga, I. 1992. Appropriate millet and cowpea genotypes for intercropping in Niger. *La Review de la Recherche Agronomique* 2:16-25 (Fr).
- 36. Reddy, K.C., Visser, P.L., and Buckner, P. 1992. Pearl millet and cowpea yields in sole and intercrop systems and their after effects on soil and crop productivity. *Field Crops Research* 28:315-326.
- 37. Verma, P.K., J.D. Eastin, K.C. Reddy, and M. Nouri. 1992. Effect of crop residue on millet production in Niger. *Cereal Research Communications* 20:295-296.
- 38. Reddy, K.C. and Buckner, P. 1991. Preliminary studies on mechanization possibilities in intercropping systems. *Agronomie Africaine* 3(2):87-95 (Fr).

- 39. Lowenberg Deboer, J., Krause, M., Deuson, R. and Reddy, K.C. 1991. Simulation of crop associations: The case of millet and cowpea intercrop. *Agricultural Systems* 36:471-487.
- 40. Krause, M.A, Deuson, R.R., Baker, T.G., Preckel, P.V., Lowenberg-Deboer, J., Reddy, K.C. and Kadi, M. 1990. Risk sharing versus low cost credit systems for international development. *Amer. J. of Agr. Econ.* 72: 912-922.
- 41. Reddy, K.C. Van der Ploeg, J. and Maga, I. 1990. Genotype effects in millet/cowpea intercropping in Semi-Arid Tropics of Niger. *Experimental Agriculture* 26:387-396.
- 42. Kadi, M., Lowenberg-Deboer, J.Reddy, K.C. and Abdoullaye, B. 1989. Sustainable millet-cowpea technologies for semi-arid Niger. *Indian J. Dryland Agric. Res. & Dev.* 4:95-98.
- 43. Gao, G., Mahamadou, B. and Reddy, K.C. 1988. Chapter 4. Plant nutrients. In: *Field Experimentation*. Eds K.C. Reddy, Berrada, A. and Bonkoula, A. Purdue University, West Lafayette, IN 47907/INRAN, B.P. 429, Niamey, Niger. pp. 31-46. Book Chapter, Fr.
- 44. Reddy, K.C., Van der Ploeg, J. and Mahamadou, I. 1988. Chapter 9. Yield estimation procedures. In: *Field Experimentation*. Eds. K.C.Reddy, Berrada, A. and Bonkoula, A. Purdue Univ, West Lafayette, IN 47907/INRAN, B.P. 429, Niamey, Niger. pp. 127-133. Book Chapter,Fr.
- 45. Reddy, K.C. 1987. Letter to the editor on the article titled Area X time equivalency ratio: A method for evaluating the productivity of intercrops. CK Hiebsch and RE McCollum (Agron. J. 79: 15-22, 1987). *Agronomy Journal* 79:945-946.
- 46. Reddy, K.C., Soffes, A.R. Prine, G.M. and Dunn, R.A. 1986. Tropical legumes for green manure: 2. Nematode populations and their effects on succeeding crop yields. *Agronomy Journal* 78: 5-10.
- 47. Reddy, K.C.S., Soffes, A.R. and Prine, G.M. 1986. Tropical legumes for green manure: 1. Nitrogen production and the effect on succeeding crop yields. *Agronomy Journal* 78:1-4.
- 48. Reddy, K.C. and Gonda, J. 1985. A review of intercropping research in Niger. *Liaison Sahel* 3:109-125 (Fr).
- 49. Reddy, K.C. and French, E.C. 1985. Water and nitrogen effects on cropping systems in semi-arid tropics. *Liaison Sahel* 3:99-108.
- 50. Reddy, K.C.S., Conlon, M., and French, E.C. 1984. A computer program to aid field experimenters. *Soil Crop Sci. Soc. Fla.* 43: 92-96.
- 51. Reddy, K.C.S., Prine, G.M. and Gaskins, M.H. 1984. Effects of soil fumigation on nitrogenase activity (C2H2 reduction) of tropical legumes. *Soil Crop Sci. Fla.* 43: 132-136.
- 52. Reddy, K.C.S., Husain, M.M. and Krantz, B.A. 1980. Effects of nitrogen level and spacing on sorghum intercropping with pigeonpea and greengram in semi-arid lands. *Indian J. Agric. Sci.* 50:17-22.

# 2. Books, Bulletins and Films

- 1. Reddy, K.C. 1992. A <u>Documentary Film</u> on Millet/Cowpea Cropping Systems in Niger. Production: Niger National Agronomic Research Institute(INRAN)/The United States Agency for International Development(USAID)/Niger National Extension Service. 30 mins. (French, Haoussa, and Djerma).
- 2. Lowenberg-Deboer, J. Krause, M. Deuson, R. and Reddy, K.C. 1990. A Simulation Model of Millet and Cowpea Intercrop. Agricultural Experiment Station Bulletin #575. Publ. Purdue Univ., West Lafayette, IN 47907. 82p (<u>Bulletin</u>).
- 3. Reddy, K.C. Berrada, A. and Bonkoula A. 1988.(Eds) Field Experimentation. Publ. Purdue University, West Lafayette, IN 47907/INRAN, B.P. 429, Niamey, Niger. 156p.(Book, Fr).
- 4. Reddy, K.C. 1988. Alternative Production Strategies for Millet and Cowpea in Rainfed Agriculture in Niger. Publ. Purdue University, West Lafayette, IN 47907/INRAN, B.P. 429 Niamey, Niger. 46p (<u>Handbook, Fr.</u>).

## 3. International/National Conference Proceedings Papers

- 1. Reddy, K.C. and Reddy, S.S. Sustainable Agricultural Practices for Maintaining Environmental Quality. Proceedings (Key note presentation) of 2<sup>nd</sup> International Conference on Environmental Management (ICEM), Hyderabad, India, October 25-28, 2010; 193-205pp.
- 2. Reddy, K. C. and Reddy, S. S., 2008. Better Soil Management Practices for Sustaining Cotton Production in SE USA. Proceedings of 5<sup>th</sup> International Crop Science Congress (ICSC) conference, ICC Jeju, Korea, April 13-18, 2008.
- 3. Reddy, K.C., Reddy, S.S. and Raper, R. 2008. Maintaining Soil Health for Upkeeping Environmental Quality. Proc. Keynote lecture at the 95<sup>th</sup> Indian Science Congress Meetings, Visakhapatnam, India, January 3-7, 2008.
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- 30. Nyakatawa, E.Z., Reddy, K.C., and Lemunyon, J.L. 2000. Predicting soil erosion in cotton production systems using the Revised Universal Soil Loss Equation (RUSLE). Pres. At the 12<sup>th</sup> Biennial Research Symposium, Washington, D.C., April 19-21, 2000. *Program Abstracts.* p. 88.
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- 32. Malik, R.K. and Reddy, K.C. 1999. Nitrate leaching in cotton production systems affected by nitrification inhibitor. *Journal of Alabama A&M University*, Normal, AL 35762.
- 33. Malik, R.K. and Reddy, K.C. 1999. Effects of poultry litter on cotton lint yield. *Journal of Alabama A&M University*, Normal, AL 35762.
- 34. Nyakatawa, E.Z. Reddy, K.C. and Lemunyon, J.L. 1999. Conservation tillage effects on soil erosion in cotton production systems in north Alabama. *Program Abstracts* of 10<sup>th</sup> International Soil Conservation Organization Conference held at West Lafayette, Indiana during May 23-27, 1999. pp. 92-93.

- 35. Sistani, K.R., Reddy, K.C., Kanyika, W., and Savant, N.K. 1998. Integration of rice residues into a sustainable rice production system. Pres. At the American Society of Agronomy meetings held at Baltimore, MD., Oct 18-23, 1998. *Agronomy Abstracts*. p. 47.
- 36. Reddy, K.C., Thornton, F.C., Ermson, N., and Boggs, J. 1998. Effect of Poultry litter on crop growth and environment. Pres. *First International Agronomy Congress* held at New Delhi, India during November 23-27, 1998. pp. 70-71.
- 37. Sistani, K.R., Reddy, K.C., Kanyika, W. and Savant, N.K. 1998. An integrated nutrient management system for sustainable rice production. Pres. at the <u>4th</u> *International Conference on Precision Agriculture* at St. Paul, MN., July 19-22, 1998.
- 38. Yaffa, S., Sainju, U.M., Singh, B.P., and Reddy, K.C. 1998. Soil Nitrogen and Tomato Yield Following Tillage, Cover Cropping, and Nitrogen Fertilization. Pres. At the American Society of Agronomy meetings held at Baltimore, MD., Oct 18-23, 1998. *Agronomy abstracts*.p. 232.
- 39. Nyakatawa, E.Z., Reddy, K.C., Mays, D., and Lemunyon, J.L. 1998. Cotton Yield as Influenced by Conservation Tillage, Cover Cropping, and Poultry Litter. Pres. At the American Society of Agronomy meetings held at Baltimore, MD., Oct 18-23, 1998. *Agronomy abstracts*. p.274.
- 40. Nyakatawa, E.Z., Reddy, K.C., and Sistani, K.R. 1998. Tillage and Cropping Systems Effects on Cotton Seedling Emergence. Pres. At the American Society of Agronomy meetings held at Baltimore, MD., Oct 18-23, 1998. *Agronomy abstracts*. p. 274.
- 41. Manu, A., Archer, F., Senwo, Z.N., and Reddy, K.C. 1998. Metal accumulation in a poultry manure amended soil. <u>Abstracts</u>. Soil and Water Conservation Society Annual Conference held at San Diego, CA., July 5-9, 1998.p. 170.
- 42. Reddy, K.C., Negatu, A., Tsegaye, T., and Ermson, N. 1998. Poultry litter, a possible resource, in developing sustainable agricultural systems. *Abstracts*. Soil and Water Conservation Society Annual Conference held at San Diego, CA., July 5-9, 1998. p. 159.
- 43. Boggs, J., Tsegaye, T., Fahsi, A. and Reddy, K.C. 1998. Using a chlorophyll meter and soil test to estimate leaf nitrogen of cotton under poultry litter amended plots. *Abstracts*. NASA URC Technical Conference, 1998. p.138.
- 44. Yaffa, S., Sainju, U.M., Singh, B.P. and Reddy, K.C. 1997. Tillage, covercropping, and nitrogen fertilization effects on seasonal soil nitrogen and tomato yield. Pres. at the Eleventh Biennial Research Symposium organized by the Association of Research Directors, Inc. at San Antonio, TX during October 1-4, 1997. *Program Abstracts*. p. 104.
- 45. Nyakatawa, E.Z., Reddy, K.C. and Lemunyon, J.L. 1997. Potential soil erosion losses estimated by RUSLE in a cotton production system with and without a ryegrass cover crop. Pres. at the Eleventh Biennial Research Symposium organized by the Association of Research Directors, Inc. at San Antonio, TX during October 1-4, 1997. *Abstracts*. p. 103.

- 46. McMiller, L.V. and Reddy, K.C. 1997. Effect of poultry litter on cotton growth and yield. Pres. at the Eleventh Biennial Research Symposium organized by the Association of Research Directors, Inc. at San Antonio, TX during October 1-4, 1997. <u>Abstracts.</u> p. 98.
- 47. Surrency, J., Segaye, T.D., Colema, T., Reddy, K.C., Belisle, W.R., Senwo, Z., Negatu, A. and Tadesse, W. 1997. Evaluation of soil moisture and dielectric constant under compost and poultry litter amended field plots. Pres. At the American Society of Agronomy meetings held at Anaheim, CA. Oct26-31, 1997. *Agronomy Abstracts*. p. 168
- 48. Sistani, K.R., Reddy, K.C., Savant, N. and Kanyika, W.A. 1997. Rice-hull ash, straw, and nitrogen for sustainable rice production in Malawi. Pres. At the American Society of Agronomy meetings held at Anaheim, CA. Oct26-31, 1997. *Agronomy Abstracts*. p. 43.
- 49. Reddy, K.C. 1997. Effect of poultry litter on soil nitrates and cotton lint yields. Pres. At the American Society of Agronomy meetings held at Anaheim, CA. Oct26-31, 1997. *Agronomy Abstracts*. p. 107.
- 50. Reddy, K.C. and Ouendeba, B. 1996. Sustainable cropping systems for the semi-arid tropics of West Africa. Pres. at the 2nd International Crop Science Congress at New Delhi, India during 17-24, 1996. *Abstracts*. P18-058.
- 51. Reddy, K.C. 1996. Teaching DSSAT Computer Models. <u>Summaries</u> from training program on computer simulation of crop growth and management responses. Univ, Georgia, Athens, GA.
- 52. Baiyee-mbi, A., Befecadu, J., Jones, H. and Reddy, K.C. 1996. Cost-effectiveness of substituting poultry litter for urea in cotton production in Alabama. Proc. *National Small Farm Conference*.p. 231.
- 53. Negatu, A.S., Reddy, K.C. and Burmester, C.H. 1995. Cotton yield response to the application of organic and inorganic N. Pres. at the American Society of Agronomy meetings held at St. Louis, MO on Oct. 29-Nov 3, 1995. *Agronomy abstracts*. P. 53.
- 54. Reddy, K.C., Weesies, G.A. and Lemunyon, J.L. 1994. Predicting soil erosion in different cotton production systems with the revised universal soil loss equation (RUSLE). Pres. at the 8th International Soil Conservation Conference, New Delhi, India during Dec. 4-8, 1994. Soil and Water Conservation Challenges and Opportunities<u>Abstracts</u> 83-85.
- 55. Prashar, C.R.K., Reddy, K.C.and Gandah, M. 1993. Prediction of millet response to rainfall probability levels in Niger. Pres. at the American Society of Agronomy meetings held at Cincinnati, Ohio, USA on Nov 7-12, 1993. <u>Agronomy Abstracts</u>. P. 60.
- 56. Reddy, K.C.and P.L. Visser, 1993. Late planting effects on early versus late pearl millet genotypes in Niger. pres. at the American Society of Agronomy meetings held at Cincinnati, Ohio, USA on Nov 7-12, 1993. <u>AgronomyAabstracts</u>. P. 60.
- 57. Reddy, K.C.,Ly, A.S., Lowenberg-Deboer, J. and Deuson, R. 1992. On-farm research contributions in developing successful millet/cowpea technologies in Niger. pres. at the Special Symposium on on-farm research held at Minneapolis, MN, USA on Nov 1-6, 1992. *Agronomy Abstracts*. P. 70.

- 58. Clark, J.W., Berrada, A., Reddy, K.C. and Prashar, C.R.K. 1992. Institutional building in Agricultural Research: The case study from Niger. Pres. American Society of Agronomy meetings held at Minneapolis, MN, USA on Nov 1-6, 1992. <u>Agronomy Abstracts.</u> P.67.
- 59. Reddy, K.C., Visser, P.L. and Nouri, M. 1992. Long-term effects of pearl millet and cowpea sole and intercrop systems on crop productivity. Pres. American Society of Agronomy meetings held at Minneapolis, MN, USA on Nov 1-6, 1992. <u>Agronomy Abstracts</u>. P.70.
- 60. Nouri, M., Reddy, K.C. and S.C. Mason. 1991. Effects of cowpea Intercrop on Associated and Succeeding Millet. pres. American Society of Agronomy meetings held at Denver, Colorado, USA on Oct 20-Nov 1, 1991. *Agronomy Abstracts*. P.63.
- 61. Maiga, S., Reddy, K.C. and Bhatnagar, V.S. 1991. Incidence of insects pests on millet and cowpea in sole and intercrop systems. Pres. American Society of Agronomy meetings held at Denver, Colorado, USA on Oct 20-Nov 1, 1991. *Agronomy Abstracts*. P.62.
- 62. Reddy, K.C., Visser, P. and Buckner, P. 1991. Pearl millet and cowpea continuous cropping effects on soil productivity. Pres. American Society of Agronomy meetings held at Denver, Colorado, USA on Oct 20-Nov 1, 1991. *Agronomy Abstracts*. P.65.
- 63. Kadi, M., Lowenberg-DeBoer, J., Reddy, K.C. and Abdoulaye, B. 1990. Sustainable millet-cowpea technologies for semi-arid Niger. Proc. Intl. Sysmposium on Natural Resources Management for a Sustainable Agriculture, 6-10 Feb. 1990, New Delhi. *Abstracts*, P. 218.
- 64. Verma, P.K., Nouri, M., Alou, A., Eastin, J.D. and Reddy, K.C., 1990. Effect of crop residue on millet production in Niger. Pres. American Society of Agronomy meetings held at San Antonio, TX, USA on 21-26 Oct, 1990, *Agronomy Abstracts*. p.64.
- 65. Verma, P.K., Eastin, J.D., Nouri, M. Mahamadou, I. and Reddy, K.C. 1989. Millet/Cowpea intercropping and crop residue research in Niger. In *Proc. of International Sorghum Millet CRSP Conference*, INTSORMIL, 3-6 Jan, 1989. P.158.
- 66. Verma, P.K., Nouri, M., Eastin, J.D and Reddy, K.C. 1989. Water use efficiency and production of cowpea in a millet/cowpea intercrop in Niger. Pres. American Society of Agronomy meetings held at Las Vegas, USA on 15-20, Oct 1989. <u>AgronomyAbstracts</u>. P.123.
- 67. Reddy, K.C. Nouri, M. and Mahamadou, M. 1989. Water use efficiency of pearl millet and cowpea in sole and intercrop systems. Pres. American Society of Agronomy meetings held at Las Vegas, USA on 15-20 Oct, 1989. *Agronomy Abstracts*. P.58.
- 68. Mahamadou, I. and Reddy, K.C. 1985. Influence of plant type on the production of millet and cowpea in sole and intercrop systems of semi-arid tropics, Niger. pres. American Society of Agronomy meetings held at Chicago, USA on Dec. 1-6, 1985. *Agronomy Abstracts*. P.36.

- 69. Mahamadou, G. and Reddy, K.C. 1985. Water use patterns of millet and cowpea in sole and intercrop systems of Semi-Arid Tropics, Niger. pres. annual American Society of Agronomy meetings held at Chicago, USA on Dec. 1-6, 1985. *Agronomy Abstracts*. P.36.
- 70. Swisher, G.E., French, E.C., Hildebrand, P.E., Dean, J., Reddy, K.C. 1983. North Florida Farming Systems Research/Extension project report. Pres. annual meetings of American Soc. of Agron. held at Washington, DC, USA on Aug. 14-19, 1983. *Agronomy Abstracts*. P.25.
- 71. Reddy, K.C., French, E.C. Ocumpaugh, W.R., Swisher, M.E. and Dean, J. 1983. Influence of cattle grazing on wheat physiological characters and grain yield. Pres. annual meeting of American Soc. of Agron. held at Washington, DC, USA on Aug. 14-19, 1983. *Agronomy Abstracts*. P.113.
- 72. Reddy, K.C., Prine, G.M. and French, E.C. 1983. Influence of level of technology on the cropping systems. Pres. annual meetings of Florida Academy of Sciences held at Melbourne, Florida, USA on Apr. 7-9, 1983. *Florida Scientist*. (46):1.
- 73. Swisher, M.E., Clough, G. Dean, J., French, E.C., Reddy, K.C. and Hildebrand. 1983. Time of planting and N fertilization effects on wheat yields. Pres. Southern branch meetings of American Soc. of Agron. held at Atlanta, Ga, USA on Feb. 6-9, 1983. *Abstracts of Technical Papers*. P.16.
- 74. French, E.C., Swisher, M.E., Clough, G., Dean, J. and Reddy, K.C. 1983. Influence of cattle grazing on wheat grain yield. pres. Southern branch meetings of American Soc. of Agron. held at Atlanta, Ga, USA on Feb. 6-9, 1983. *Abstracts of Technical Papers*. P. 16.
- 75. Reddy, K.C. Conlon, M. and French, E.C. 1983. A computer program for agronomic field experimentation. Pres. Southern branch meetings of American Society of Agronomy held at Atlanta, Ga, USA on Feb. 6-9, 1983. *Abstracts of Technical Papers*. P. 17.
- 76. Reddy, K.C. and Prine, G.M. 1982. Acetylene reduction measurements in summer legumes. Pres. annual meetings of Florida Academy of Sciences held at Deland, F1, USA on Apr. 22-24, 1982. *Florida Scientist* (45):3.
- 77. Reddy, K.C. and Prine, G.M. 1981. Greenmanuring of tropical legumes and their effects on soil nitrogen pool and nematode populations. Annual meetings of American Society Agron. held at Atlanta, Ga, USA on Nov. 29- Dec 4, 1981. <u>Agronomy Abstracts</u>. P. 167.
- 78. Husain, M.M. and Reddy, K.C.S. 1978. Studies on the influence of intercropping, a non-monetary input, with cowpea (<u>Vigna sinensis</u>) in sorghum on forage and protein yields. Proc. Symposium of non-monetary inputs in field crop production held at the Hissar Agric. Univ., Hissar, India by Indian Soc. of Agronomy and Indian Council of Agric. Res. on Feb. 11-12, 1978. <u>Abstracts of the Symposium Proceedings.</u> p.31.

#### 7. Conference Presentations and Invited Lectures

1. K.C. Reddy, 2008. Global Climate Change. Panel Discussion. Indian Science Congress. VisakhaPatnam, AP, India. January 05, 2008.

- 2. K.C. Reddy. 2006. Building Research Programs at Master's Institutions. Pres. The Council of Graduate Schools Annual Meeting, Washington, DC. December 6-9, 2006.
- 3. S. S. Reddy, K.C. Reddy and R. Malik 2006. Cotton Growth and Yield Response to Nitrogen Application Through Fresh and Composted Poultry Litter. <u>Pres. Soil and water</u> Conservation Society, Alabama Chapter. Huntsville, AL. during 6-8, June, 2006.
- 4. S. Kuppireddy, E.Z. Nyakatawa, F. J. Arriaga and K.C.Reddy. 2006. Long-term Effects of Conservation Tillage and Poultry Litter Application III. Soil Physical Properties. <u>Pres. Soil and water Conservation Society</u>, Alabama Chapter. Huntsville, AL. during 6-8, June, 2006.
- 5. Roberson, T., Nyakatawa, E.Z., Reddy, K.C., and Raper, R.L. 2006. Carbon dioxide efflux from poultry litter applied soils under conventional and conservation tillage systems in North Alabama. <u>Pres. Soil and water Conservation Society</u>, Alabama Chapter. Huntsville, AL. during 6-8, June, 2006.
- 6. Nyakatawa, E. Z., Jakkula, V. Reddy, K.C., Lemunyon, J.L., Norris, Jr. B.E. 2006. Long-term effects of conservation tillage, cover crops, and poultry litter application on soil erosion estimates using RUSLE 2.0 computer model. <a href="Pers. Soil and water">Pres. Soil and water</a> Conservation Society, Alabama Chapter. Huntsville, AL. during 6-8, June, 2006
- 7. Reddy, K.C. 2002. Keynote Speaker on "Unity in Freedom". <u>13<sup>th</sup> Asian/Pacific American Heritage Month Celebrations</u> by US Army and Missile Command/Redstone Arsenal, AL
- 8. Reddy, K.C. 2002. Panelist on Graduate Record Examination (GRE) workshop. 16<sup>th</sup> <u>Annual National Conference of Black Physics Students, Huntsville, AL., March 13-17, 2002.</u>
- 9. Nyakatawa, E.Z., Reddy, K.C. and Bishnoi, U.R. 2002. Using tillage and poultry manure to sustain water and soil for agriculture. Pres. the Alabama Sustainable Agricultural Conference, Birmingham, AL., Feb. 24-26, 2002.
- 10. Nyakatawa, E.Z., Reddy, K.C. and Reddy, K.R. 2002. Simulating cotton growth in conservation tillage systems using the GOSSYM Model. Pres. <u>Beltwide Cotton</u> Conference, Atlanta, GA., Jan. 11-12, 2002.
- 11. Nyakatawa, E.Z. and Reddy, K.C. 2001. Conservation tillage and poultry litter management for cotton production and environmental protection. Pres. to <u>Alabama Agricultural County Agent Association (AACA) tour of SAES/AAMU</u>, June 14, 2001.
- 12. Reddy, K.C. 2000. An update on State of the University/Faculty Senate. Pres. at the 2000-2001 <u>Faculty/Staff Conference</u>, Alabama A&M University held at Normal, AL during August 25, 2000.

- 13. Bukenya, J.O., Befecadu, J., Jones, H.S., Reddy, K.C. and Baiyee-Mbi, A. Economic feasibility of substituting fresh poultry litter for ammonium nitrate in cotton production. Paper presented at the Annual Meetings of the Northeast Agricultural and Resource Economics Association held at Morgantown, WV on June 28, 1999.
- 14. Reddy, K.C. and Nyakatawa, E. Poultry litter use in cotton production. <u>Alabama Cotton Field Expo</u>, Tennessee Valley Substation, Belle Mina, AL on August 20, 1998.
- 15. Reddy, K.C. 1998. Rebuilding the University. Pres. at the 1998-1999 <u>Faculty/Staff Conference</u>, Alabama A&M University held at Normal, AL during August 17-18, 1998.
- 16. Reddy, K.C. 1997. Program Viability Legislation. Pres. at the 1997-1998 <u>Faculty/Staff Conference</u>, Alabama A&M University held at Normal, AL during August 14-15, 1997.
- 17. Reddy, K.C. 1995. Modeling soil erosion in cotton production systems. Pres. at the <u>Plant and Environmental Science Journal Club</u>, Alabama A&M University, on Feb. 09, 1995.
- 18. Negatu, A., Reddy, K.C., Burmester, C.H. Tyeker,R.H. and Cebert, E. 1994. Does nitrification inhibitor work on fresh and composted poultry litter? Pres. <u>Association of Research Directors' Tenth Biennial Research Symposium</u>, 1994 at New Orleans, LA,USA during October 1-5, 1994.
- 19. Reddy, K.C. 1993. Long-term effects of intercrop systems on soil fertility. Pres. <u>International training program on plant nutrient management for sustainable agriculture</u> at the International Fertilizer Development Center, Muscle Shoals, AL, USA during Sept 20-October 1, 1993 (Invited Lecture).
- 20. Okali, C., Sumberg, J.E. and Reddy, K.C. 1992. Unpacking the package:Flexible messages for dynamic situations. Pres. Workshop on Beyond farmer first: Rural peoples' knowledge, agricultural research and extension practice at the Institute of Development Studies, University of Sussex, Brighton, UK during 27-29 Oct, 1992.
- 21. Reddy, K.C. 1992. Intensification of dryland agriculture in the Sahel; the case study of millet and cowpea. Pres. <u>Seminar on sustainable management of natural resources of the agro-pastoral systems of the Sahel</u> during 8-11 June, 1992 at Niamey organized by the International Development Program of the Netherlands (Invited lecture).
- 22. Reddy, K.C., Nouri, M. and Mamane, I. 1992. The new millet/cowpea intercrop technologies. A twice nationally broadcasted, invited-television debate (Jan 1st 1992 and March 12th, 1992) National Television, Niamey, Niger.
- 23. Nouri, M., Reddy, K.C. and Germaine, I. 1991. On-farm evaluations of the new millet/sorghum intercrop technologies. Pres. at the <u>Semi-Arid Food Grain Research and Development (SAFGRAD)</u> annual workshop on 13-15 May, 1991 at Ouagadougou, Burkina Faso.
- 24. Reddy, K.C. 1991. Millet/cowpea intercrop research advances at INRAN. An <u>invited</u> <u>lecture at Univ. Niamey</u>, Niger.

- 25. Shapiro, B.I, Sanders, J.H. and Reddy, K.C. 1991. Using agro-meteorological information to devise adaptive technology recommendations in the Niamey region of Niger. Pres. the 11th annual AFSRE Symposium (5-10 Oct, 1991) Michigan State Univ. East Lansing, MI, USA.
- 26. Reddy, K.C. 1991. An evaluation of millet/cowpea demonstrations in Zinder department. pres. <u>Training workshop</u> organized by NAARP/IPDR/Extension Service of Niger at Zinder on 18-19 March, 1991 (Invited lecture).
- 27. Reddy, K.C. 1991. How to apply alternative millet/cowpea production strategies in practice: pres. <u>Training workshop</u> organized by NAARP/IPDR/Extension Service of Niger/Care International at Maradi on 20-21 March, 1991 (Invited lecture).
- 28. Abdoulaye, T., Lowenberg-Deboer, J., Abbot, P. and Reddy, K.C. 1991. Socio-economic constraints at the farm level on the intensification of cowpea production in Niger. Pres. the <u>11th annual AFSRE Symposium</u> (5-10 Oct, 1991) Michigan State Univ., East Lansing, MI, USA.
- 29. Ibro, G., Lowenberg-Deboer, J., Reddy, K.C., Kadi, M. and Maiga, S. 1991. Comparaison des méthodes de traitements phytosanitaires de niébé au Niger. Pres. <u>Internetwork conference on food grain research and production (SAFGRAD)</u> held at Niamey, Niger on 7-14 March, 1991.
- 30. Reddy, K.C. 1990. Niger cropping systems. An <u>invited lecture at Univ. of Niamey, Niger</u>.
- 31. Reddy, K.C. and Ly, S.A. 1989. Farming Systems Research: some suggestions for agronomists. Pres. the <u>Regional Agronomists Training Workshop</u> organized by SAFGRAD/ICRISAT/USAID at Bamako, Mali on 18-30 Sept. 1989.
- 32. Ibro, G., Lowenberg-Deboer, J. and Reddy, K.C. 1989. Les technologies developees par la recherche sur les systemes agricoles, sont-ils soutenables? Le cas de la culture associee mil-niebe au Niger. Pres. the Farming Systems Research/extension symposium at Fayetteville, Ar, USA on 8-11 October, 1989.
- 33. Sirifi, S., Reddy, K.C., Berrada, A. and Haya, D. 1989. Performance des varietes ameliorees de mil en station et en milieu paysan au niger. Paper pres. the West African Farming systems Research Network organized 2nd symposium on Farming Systems Research contributions to agricultural technologies development in West African region at Accra, Ghana on 28 Aug 1 Sept. 1989.
- 34. Bonkoula, A. et Reddy, K.C. et Renard, C. 1988. L'effet de quelques pratiques culturales sur le rendement du mil et du niebe. Invited paper pres. the <u>West African Agricultural Research Institutions Directors meeting</u> at Niamey, Niger on 7-9 Sept. 1988. 7p (Invited paper).
- 35. Kadi, M. and Reddy, K.C. 1988. Genese et evolution du programme de recherche sur les systemes de production a l'Institut National de Recherches Agronomiques du Niger. Invited paper pres. the West African Agricultural Research Institutions Directors' meeting held at Niamey, Niger during 7-9 Sept. 1988, 13p.

- 36. Soumana, I. et Reddy, K.C. 1987. La recherche sur la culture associee au Niger. Pres. the <u>International Workshop on water and natural resources management for increased crop production in Africa</u> organized by the International Science Foundation and Univ. of Niamey at Niamey, Niger during 9-14 March, 1987.
- 37. Reddy, K.C. 1987. La recherche sur la culture associée à l'INRAN. Pres. the <u>INRAN</u> annual conference at Matameye, Niger during 4-10 May, 1987.
- 38. Reddy, K.C., Samba, L., Deuson, R. and Ouendeba, B. 1986. Tests varietaux en milieu reel au Niger. Pres. the <u>Regional Workshop on Millet</u>, organized by ICRISAT at Niamey, Niger on Sep. 6-12, 1986, 28p (Invited paper).
- 39. Gonda, J. and Reddy, K.C. 1986. Drought resistant strategies practiced by INRAN. Pres. the <u>World Drought Conference</u> organized by SAFGRAD at Nairobi, Kenya on May 19-22, 1986, 19p.
- 40. Reddy, K.C., Prine, G.M. and Gaskins, M.H. 1983. Effect of soil fumigation on nitrogenase activity(C2H2) reduction of tropical legumes. Pres. <u>Florida crops and Soil Science society meetings</u> held at Orlando, F1, USA on Oct. 25-27, 1983.
- 41. Reddy, K.C., French, E.C. and Conlon, M. 1982. A computer program for experimental plot plan, layout, randomization, and sample identification. Pres. <u>Florida Crops and Soil Sci. Soc. meetings</u> held at Tallahassee, F1, USA on Oct. 26-28, 1982.
- 42. Reddy, K.C. and Prine, G.M. 1980. Greenmanuring-a possible future energy alternative in agriculture. Pres. <u>Florida Crops & Soil Sci. Soc. meetings</u> held at St. Augustine, Florida, USA on Oct. 27-29,1981.
- 43. Reddy, K.C. and Prine, G.M. 1980. Intercropping research in India with special reference to input levels. Pres. <u>Florida Crop & Soil Sci. Soc. meetings</u> held at Long Boat Key, Florida, USA on Oct. 8-10, 1980.