

Vijaya Gopal Kakani

Assistant Professor – Bioenergy Crop Production
368 Agricultural Hall, Department of Plant and Soil Sciences
Oklahoma State University, Stillwater, OK 74078-6028

Phone: 405-744-4046; Fax: 405-744-5269; Email: v.g.kakani@okstate.edu

EDUCATION

- April 2001** **Ph.D. in Agriculture (Crop physiology and Modeling)**
Department of Agriculture, University of Reading, UK (**FELIX Scholar**)
- Aug 1994** **M.Sc. (Agriculture): Agronomy: First Class**
Andhra Pradesh Agricultural University, Rajendranagar, Hyderabad, India.
- Jul 1992** **B.Sc. (Agriculture): First Class**
Andhra Pradesh Agricultural University, Rajendranagar, Hyderabad, India.

EMPLOYMENT

- Feb 2008 to Present** **Assistant Professor**, Bioenergy Crop Production, Department of Plant and Soil Sciences, Oklahoma State University, Stillwater, OK, USA.
- April 2006 to Jan 2008** **Postdoctoral Associate**, Department of Agronomy, University of Florida, FL, USA.
- May 2001 to April 2006** **Postdoctoral Associate**, Department of Plant and Soil Sciences, Mississippi State University, Mississippi State, MS, USA.
- Dec 1995 to Sep 1997** **Research Associate**, Groundnut Physiology, ICRISAT Asia Center, Patancheru, Hyderabad, India.

RESEARCH GRANTS (FUNDED-CURRENT)

- **V.G.Kakani**, K. Desta, J.G. Warren; C.J. Penn and J. Armstrong. 2009-2010. Developing a Sustainable Bioenergy Feedstock Production System in Oklahoma. Oklahoma Bioenergy Center. \$250,000.
- Y. Wu and **V.G. Kakani**. 2009-2010. Genetic Improvement in Switchgrass for the Emerging Cellulosic-based Biofuel Industry. Oklahoma Bioenergy Center. \$250,000.
- C.L. Jones, D. Bellmer, **V.G. Kakani**, C.B. Godsey, D.B. Arnall, J.G. Warren. 2009-2010. Field to Fuel...the Sorghum Connection. Large-scale Research for the Development of the Oklahoma Sorghum-as-Fuel Industry. Oklahoma Bioenergy Center. \$250,000.
- **V.G. Kakani**. 2009-2010. Regional Biomass Feedstock Partnership Project. Amount: \$30,000; Agency: DOE-SunGrant Initiative. South Dakota State University, SD, USA.
- **V.G. Kakani**. 2008-2009. Regional Biomass Feedstock Partnership Project. Amount: \$25,000; Agency: DOE-SunGrant Initiative. South Dakota State University, SD, USA.
- **V.G.Kakani** and R.L. Huhnke. 2008-2009. Evaluate Biomass Potential of CRP Lands in Oklahoma. Amount: 20,000. Agency: South Central Sungrant Initiative, Oklahoma State University, OK, USA

AWARDS

- Young Scientist Award (2008)** Awarded by Association of Agricultural Scientists of Indian Origin, USA.
- Top-10 most cited (2008)** Agriculture and Forest Meteorology from 2003 to 2008

- Felix Scholarship** (1997-2001) Fully funded competitive scholarship for PhD studies at University of Reading, UK (Awarded to 6 Indians each year).
- Senior Research Fellowship** (1997) Awarded by Indian Council for Agricultural Research, New Delhi, India.
- NET Certificate** (1995) Passed National Eligibility Test for Research and Teaching in Agronomy conducted by Indian Council for Agricultural Research, New Delhi, India.
- Junior Research Fellowship** (1992) Awarded by Indian Council for Agricultural Research, New Delhi, India.
- National Merit Scholarship** (1988) Awarded by Indian Council for Agricultural Research, New Delhi, India to study B.Sc. (Ag.).

PROFESSIONAL MEMBERSHIP

American Society of Agronomy; Crop Science Society of America; Soil Science Society of America; American Society of Plant Biologists; American Association for Advancement of Science; Honorary member of Gamma Sigma Delta.

EDITORSHIP

Associate Editor-Agronomy Journal

INDEPENDENT REVIEWER OF INTERNATIONAL JOURNALS

Agriculture, Ecosystems and Environment, Agriculture and Forest Meteorology, Agronomy Journal, Annals of Botany, Canadian Journal of Plant Science, CHOICE, Communications in Biometry and Crop Science, Environmental and Experimental Botany, Environmental Pollution, European Journal of Agronomy, Functional Plant Biology, Plant Science and Radiation and Environmental Biophysics, Polish Journal of Environmental Studies.

PROPOSAL REVIEWER to BARD and CRDF-CARD

SELECTED PUBLICATIONS

1. **Kakani, V.G.**, K.J. Boote, K.R. Reddy and D.J. Lang. 2008. Response of bahiagrass carbon assimilation and photosystem to below-optimum temperatures. *Functional Plant Biology*, 35:1243-1254.
2. Zhao, D., K.R. Reddy, **V.G. Kakani** and V.R. Reddy. 2005. Nitrogen deficiency effects on plant growth, leaf photosynthesis, and hyperspectral reflectance properties of sorghum. *European Journal of Agronomy*, 22: 391-403.
3. Zhao, D., K.R. Reddy, **V.G. Kakani**, J. J. Read and S. Koti 2005. Selection of Optimum Reflectance Ratios for Estimating Leaf Nitrogen and Chlorophyll Concentrations of Field-Grown Cotton. *Agronomy Journal*, 97: 89-98.
4. **Kakani V.G.**, K.R. Reddy, D. Zhao and K. Sailaja. 2003. Field Crop responses to ultraviolet-B radiation: A review. *Agricultural and Forest Meteorology*, 120: 191-218.