Channapatna S. Prakash, PhD
Dean, College of Arts and Sciences
Professor of Genetics and Genomics
Tuskegee University
Kenney Hall, Suite 70-403
1200 West Montgomery Road
Tuskegee, AL 36088
Office Phone 334-724-4920
Email: cp[P)-0 /P@D 10 o 3CIDM (tiTwa2pan5eot2h)0 0 1l

development, sexual harassment, online learning, media relations, alumni engagement, legal issues in higher education, ethics in leadership, organizational management, human relations, and the role of information technology in higher education.

Awards/Honor/Recognition

• Innovative use of cutting-edge technology in the course “Genetics and Society,” featuring live interactive video lectures in partnership with UCLA and UC Davis since 2011.
• Collaborated with renowned award-winning professor, Dr. Bob Goldberg, to feature guest lectures from top experts in various fields of genetics, with an all-expense-paid visit by TU students to UCLA, funded by a grant from NSF.
• Conducts annual workshops on plant genomics for high school students and teachers with Dr. Jacquelyn Jackson, funded by USDA/NIFA.
• Routinely invited to deliver guest lectures at various institutions across the US and overseas.

Research

• Conduct cutting-edge research in crop genomics, genetics, and biotechnology, with extensive experience in crop genetic diversity analysis, molecular markers, genetic mapping, gene cloning, bioinformatics, tissue culture, gene transformation, and testing of transgenic plants.
• Contributed to highly-cited scientific papers, primarily on peanut genetic markers, which are among the highest-cited publications from Tuskegee University.
• Trained hundreds of African-American students and scholars in plant biotechnology during tenure at TU.
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I have been moderating very dynamic online discussion group involving many scientists and opinion leaders for nearly twenty years. Conduct online discussion groups on ag-biotech in Africa and India. Posted many YouTube videos of my lectures and interviews, as well as activities at Tuskegee University.

Public Lectures, Science Advocacy, and Public Policy

As a top-rated and sought-after speaker in agriculture and biotechnology, I have delivered over 1000 public lectures across 80 countries. These include significant universities across the USA (Harvard, Princeton,

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Prakash, C S and G He. 2016. Peanut Genomics at Tuskegee University. 2016. In: *Impact of 1890 Institutions on Ag Research*. USDA/NIFA (In Press)
Prakash C S 2014. Foreword. In 'Genetically Engineered Crops in the Developing Countries.' Editors: D.V. Reddy, P. Ananda Kumar, G. Loebenstein and P. Lava. Studium Press, New Delhi. http://www.studiumpress.in/

Sreenath, H, C S Prakash & G. He. 1999. Procedure for generating silver stained AFLP-markers in Coffee. J. Coffee Research 29 (2): 67-77.
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oleic acid content. American Peanut Research Education and Research Society Annual Meeting. June 2017.

Amole, O., C.S. Prakash, Dr. Guohao He, Dr. D. Mortley. 2016 Growth and Biomass Production of (169) Miscanthus Giganteus Grown under natural conditions in Macon County Alabama. Joint Annual Research Symposium, Tuskegee University. March 17-18, 2016

Mei Yuan, Phat Dang, Charles Chen, C. S. Prakash & Guohao He 2015. CRISPR/Cas9-mediated genome editing in peanut. 8th International Conference on Advances in Arachis through Genomics & Biotechnology, Brisbane, QLD, Australia. Nov 5-7, 2015

Prakash CS. 2014. Yes or No: GMO: Be Informed - the Science Behind Biotechnology. Panel member. Georgia Academy of Nutrition and Dietetics. (Atlanta, GA March 20, 2014.)

Zhao,Y., C. Zhang, H. Chen, M. Yuan, R. Nipper, C.S. Prakash, W. Zhuang, & Guohao He. QTL mapping for bacterial wilt resistance in peanut (*Arachis hypogaea* L.). 2014 American Research and Education Society Annual Meeting, July 8-10, San Antonio, TX.

Davis, J, Y Zhao, C S Prakash, G He 2013 Sequence diversity of cellulose synthase genes in *Miscanthus*. Professional Agricultural Workers Conference, Tuskegee University. December 2013.

Robinson, S., M. Shelby, C. Prakash, O. Bolden-Tiller, & N. Gurung 2013. Experiential Learning for Tuskegee University Undergraduate Students in Livestock and Fisheries in India. Professional Agricultural Workers Conference, Tuskegee University.

Robinson, S., M. Shelby, C. Prakash, O. Bolden-Tiller, & N. Gurung 2014 Experiential Learning Experience for Undergraduate Students in Livestock and Fisheries Work in India. American Association of Animal Science, Kansas City, KS.

Mutaleb, M. Z., N. R. Baharanyi, C.Bonsi, C.S. Prakash (2013) AET in Sub-Sahara: An Initial Catalog of Best Practices. Symposium on Agricultural Training and Education in Developing Countries; Fairfax, VA September 18-20, 2013

He, G., Prakash C S. & M. Watts 1996. Polymorphic DNA markers in cultivated peanut. Plant Genome IV. January 14-18, 1996. San Diego, CA.

Prakash C S., Porobo Dessai, A., G. Ramanamurthy, K. Dumenyo, G. He, Q. Zheng & M. Egnin. 1993. Biotechnological approaches to the improvement of sweetpotato. The International Symposium on Tropical Tuber Crops (ISOTUC). November 8-9, 1993. Trivandrum, India.

Prakash C S. 1991. Optimizing gene transfer systems for sweetpotato. International Symposium on Sweetpotato Technology for 21st Century. June 1991. Montgomery, AL.

Prakash C S., U. Varadarajan, & A.S. Kumar. 1991. Foreign gene transfer to sweetpotato. Sweetpotato Collaborators Annual Meeting. February 1991. Fort Worth, TX. (HortScience 28: 492)

Prakash C S. 1989. Managing resistance to defense mechanisms in trees. National IPM Symposium. April 1, 1989. Las Vegas.

Prakash C S. 1988. Genetics of poplar-leaf rust interaction and breeding for durable resistance. 5th International Congress of Plant Pathology. August 1988. Kyoto, Japan.

Thielges, B. A., Prakash C S., & R. C. Hamelin. 1988. Selection and breeding for Melampsora leaf rust resistance in eastern cottonwood: Laboratory and field screening. 10th North American Forest Biology Conference. Vancouver, British Columbia.

Prakash C S. 1988. Priorities in crop biotechnology research in developing countries. Int. ICSU/CASAFA symp. on Agricultural Applications of Biotechnology. Dec.' 1988. Madras, India.