



RESEARCH PROFILE

Contact Information

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Department of Agriculture & Natural Resources
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Doctoral Degree

Plant Science, Oklahoma State University

Research Interest Area(s)

Genomics

Germplasm improvement breeding of small fruits (blueberries, strawberries, blackberries) and some specialty vegetable crops

Integration of classical plant breeding and modern genomic tools to improve horticultural and nutraceutical traits

Professional Affiliations

American Society for Horticultural Science (ASHS)

Crop Science Society of America (CSSA)

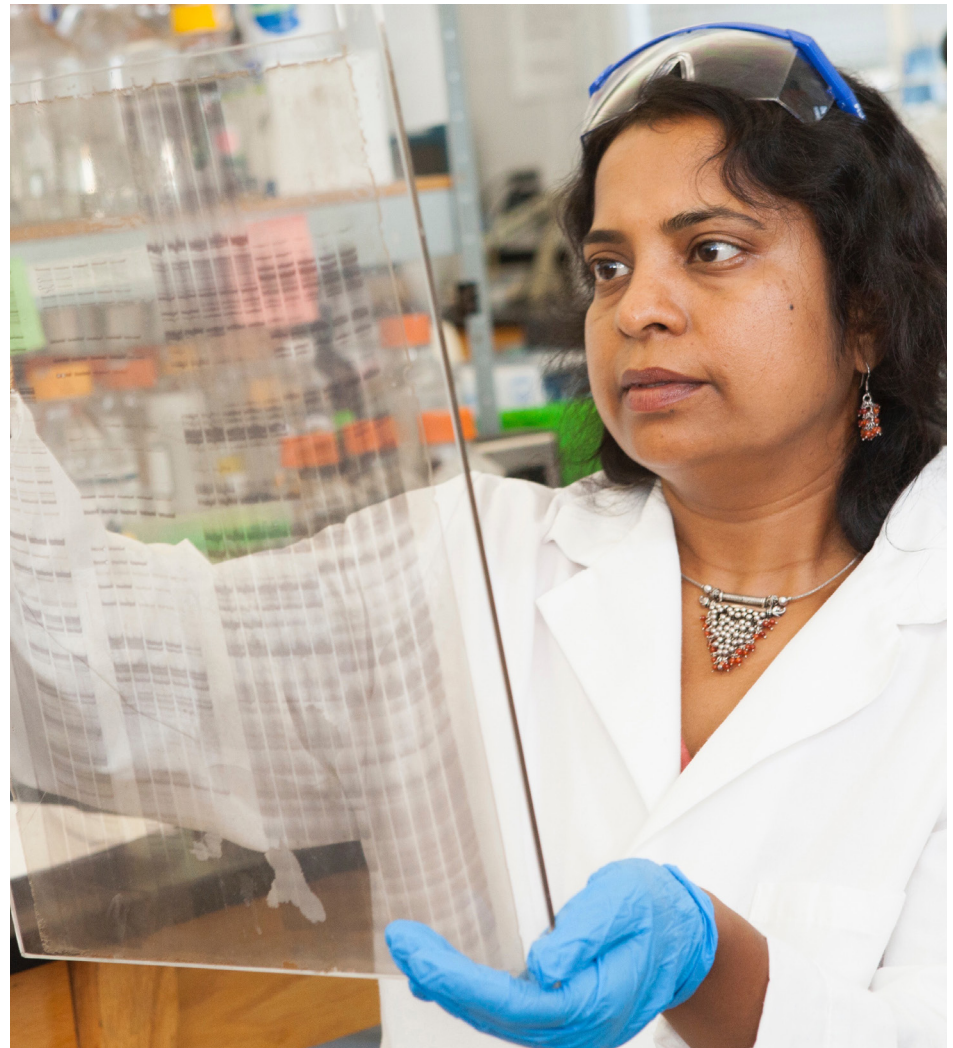
American Association for Advancement of Science (AAAS)

Publications (last three years)

Hayford, Rita Kusi-Appiah, Ayalew Ligaba-Osena, Mayavan Subramani, Adrienne Brown, Kalpalatha Melmaiee, Khwaja Hossain, and Venu Kal Kalavacharla. "Characterization and Expression Analysis of Common Bean Histone Deacetylase 6 during Development and Cold Stress Response." *International Journal of Genomics* 2017 (2017).

Kalpalatha Melmaiee, Michael Anderson, Sathya Elavarthi, Arron Guenzi, and Patricia Canaan. "Transcriptional Analysis of Resistance to Low Temperatures in Bermudagrass Crown Tissues." *PLoS one* 10, no. 9 (2015): e0136433.

Kalpalatha Melmaiee, Venu Kal Kalavacharla, Adrienne Brown, Antonette Todd, Yaqoob Thurston, and Sathya Elavarthi. "Quantification and Gene Expression Analysis of Histone Deacetylases in Common Bean during Rust Fungal Inoculation." *International Journal of Genomics* 2015



KALPALATHA MELMAIEE

Assistant Professor