Delaware State University
SINCE 1891

College of Agriculture and Related Sciences

RESEARCH PROFILE

Contact Information

vkalavacharla@desu.edu

(302) 857-6453 PH; (302) 857-6402 Fax

Center for Integrated Biological and Environmental Research

221 Ag Annex Building

Delaware State University, Dover, DE 19901

CIBER Web Page

Doctoral Degree

Plant Science-Genetics, Molecular Genetics
North Dakota State University

Research Interest Area(s)

Plant Genetics, Molecular Genetics, and Epigenomics

Active Grants

- National Science Foundation – Delaware EPSCoR
- USDA – AFRI - NEWBio
- USDA – AFRI - NIFA - Capacity Building Grant
- NSF-Research Experiences for Undergraduates

Professional Affiliations

American Association for the Advancement of Science
American Society for Plant Biology (ASPB)
Crop Science Society of America
International Bean Genomics Consortium
Bean Improvement Cooperative

Honors and Awards

2014 Educator of the year (Higher Education), Delaware Biosciences Association

2014 Invited Speaker, International Plant Genomics Congress, London, UK

2013 Chair, W2150: Breeding Common Bean (Phaseolus vulgaris L.) for Resistance to Abiotic and Biotic Stresses, Sustainable Production, and Enhanced Nutritional Value

2012 Invited Speaker, Phaseomics: The Genome, Special Edition, an international conference on common bean genomics, Mexico

2012 Member, International Committee on Phaseomics-planning next steps of bean genomics

2011 Secretary, W2150: Breeding Common Bean (Phaseolus vulgaris L.) for Resistance to Abiotic and Biotic Stresses, Sustainable Production, and Enhanced Nutritional Value

2011 Faculty Excellence Award for Research/Creative Activities, Delaware State University

VENU KALAVACHARLA

Professor

VENU KALAVACHARLA... PUBLICATIONS (2010 - 2013)

Delaware State University SINCE 1891 | College of Agriculture and Related Sciences

Melmaiee, K., Todd, A., Lee, R., McClean, P., Schleuter, J., Jackson, S, and Kalavacharla, V. Identification of molecular markers associated with the deleted region in common bean Ur-3 mutants. Australian Journal of Crop Science, 7:354-360. 2013.

Liu, Z., *Crampton, M., Todd, A and Kalavacharla, V. Identification of expressed resistance gene-like sequences by data mining in 454-derived transcriptomic sequences of common bean (Phaseolus vulgaris L.). BMC Plant Biology, 12:42. 2012.

Liu, L, Yu, L, Kalavacharla, V. and Liu, Z. A Bayesian model for gene family evolution. BMC Bioinformatics, 12:426. 2011.

Kunjeti, S., Evans., T, Marsh, A., Gregory, N., Kunjeti, S., Meyers, B., Kalavacharla, V. and Donofrio, N. RNA-seq reveals infection related global changes in Phytopthora phaseoli, the causal agent of lima bean downy mildew. Molecular Plant Pathology, 13(5): 454-466 Year?

Kalavacharla, V., Liu, Z., Meyers, B.C., Thimmapuram, J. and Melmaiee, K. Identification and analysis of common bean (Phaseolus vulgaris L.) transcriptomes by massively parallel pyrosequencing. BMC Plant Biology, 11:135. 2011.