

Latest conference presentations

1. Umesh K. Reddy. Haplotype Networking of GWAS Hits for Citrulline Variation Associated with the Domestication of Watermelon. International Plant & Animal Genome XXVIII Conference, San Diego California, 2020.
2. Purushothaman Natarajan, Tolulope Abodunrin Akinmoju, Padma Nimmakayala, Carlos Lopez-Ortiz, Marleny Garcia-Lozano, Benjamin J. Thompson, John Stommel and Umesh K. Reddy. Integrated metabolomic and transcriptomic analysis to characterize cutin biosynthesis between low-and high-cutin genotypes of *Capsicum chinense* Jacq. International Plant & Animal Genome XXVIII Conference, San Diego California, 2020.
3. Menuka Bhandari, Arjun O. Kshetry, Suhas Shinde, Carlos Lopez-Ortiz, Thangasamy Saminathan, Padma Nimmakayala and Umesh K. Reddy. Genetic Components for Acidity Tolerance in *Arabidopsis*. International Plant & Animal Genome XXVIII Conference, San Diego California, 2020.
4. Tosin Akinsipe, Lakshmi V. Abburi, Suhas Shinde, Thangasamy Saminathan, Padma Nimmakayala and Umesh K. Reddy. Acid Mitigating Mechanisms in *Capsicum* Spp. International Plant & Animal Genome XXVIII Conference, San Diego California, 2020.
5. Carlos Lopez-Ortiz, Yadira Peña-Garcia, Purushothaman Natarajan, Menuka Bhandari, Lakshmi V. Abburi, Lav Yadav, John Stommel, Padma Nimmakayala and Umesh K. Reddy. The Ankyrin Repeat Gene Family in *Capsicum* spp: Genome-Wide Survey, Characterization and Gene Expression Profile. International Plant & Animal Genome XXVIII Conference, San Diego California, 2020.
6. Yadira Peña-Garcia, Cristina Delgado-Chavez, Carlos Lopez-Ortiz, Nagamani Balagurusamy, Suhas Shinde, Thangasamy Saminathan, Padma Nimmakayala and Umesh K. Reddy. Exploration into Natural Variation for Arsenic Effects in *Arabidopsis*. International Plant & Animal Genome XXVIII Conference, San Diego California, 2020.
7. Kshetry A., Bhandari M., Peña-García Y., Shinde S., Saminathan T., Nimmakayala P., Reddy U. Natural Variation in *Arabidopsis thaliana* to Discover Novel Genes in Response to Aluminum Toxicity. 2019 Annual Meeting Midwestern Section American Society of Plant Biologists. Morgantown WV.
8. Garcia-Lozano M., Natarajan P., Dutta S., Tomason Y., Lopez-Ortiz C., Saminathan T., Nimmakayala N., Levi A., Reddy U. Identification of mobile transcripts across the reciprocal grafts involving watermelon and bottle gourd by RNA-seq analysis. 2019 Annual Meeting Midwestern Section American Society of Plant Biologists. Morgantown WV.
9. Bhandari M., Kshetry A., Peña-García Y., Shinde S., Saminathan T., Nimmakayala P., Reddy U. Uncovering the Genetic Components for Acidity Tolerance in *Arabidopsis* by Genome

Wide Association Study. 2019 Annual Meeting Midwestern Section American Society of Plant Biologists. Morgantown WV.

10. Akinmoju T., Natarajan P., Lopez-Ortiz C., Garcia-Lozano M., Saminathan T., Nimmakayala P., Reddy U. Cuticular Composition and Gene Expression Analysis of Cutin Genes by RNA-seq in Habanero Pepper Fruits. 2019 Annual Meeting Midwestern Section American Society of Plant Biologists. Morgantown WV.
11. Akinsipe T., Abburi L., Kshetry A., Bhandari M., Saminathan T., Nimmakayala P., Reddy U. Comparative GWAS for seedling root variation in acidic conditions across the pepper species complexes. 2019 Annual Meeting Midwestern Section American Society of Plant Biologists. Morgantown WV.
12. Peña-García Y., Delgado-Chávez A., Lopez-Ortiz C., Balagurusamy N., Shinde S., Saminathan T., Nimmakayala P., Reddy U. Exploration into natural variation for detecting novel QTLs for Arsenic effects in *Arabidopsis thaliana*. 2019 Annual Meeting Midwestern Section American Society of Plant Biologists. Morgantown WV.
13. Akinmoju T., Bodunrin A., Sharma D., Shinde S., Dianellos V., Abburi V., Lopez-Ortiz C., Nimmakayala P., Saminathan T., Reddy U. Identification of Trichome Development Related Genes Using Genome-wide Association Studies in Watermelon Diverse Collections. ARD Research Symposium 2019. Jacksonville, FL.
14. Akinsipe T., Abburi L., Nimmakayala P., Reddy U. GWAS for seedling root growth variation in acidic conditions across the cultivated pepper species complexes. ARD Research Symposium 2019. Jacksonville, FL.
15. Tandukar N., Nimmakayala P., Reddy U. Study on genome wide capsaicin effects for body weight and triglycerides using *Drosophila melanogaster* diversity panel. ARD Research Symposium 2019. Jacksonville, FL.
16. Kshetry A., Bhandari M., Shinde S., Saminathan T., Nimmakayala P., Reddy U. Exploiting Natural Variation in *Arabidopsis thaliana* to Discover Previously Unknown Genes in Response to Aluminum Toxicity in Acidic Growth Conditions. ARD Research Symposium 2019. Jacksonville, FL.
17. Belcher S., Jones S., Tandukar N., Reddy U., Nimmakayala P., Katam R. Study on genome wide capsaicin effects for body weight and triglycerides using *Drosophila melanogaster* diversity panel. ARD Research Symposium 2019. Jacksonville, FL.
18. Garcia-Lozano M., Natarajan P., Dutta S., Tomason Y., Lopez-Ortiz C., Nimmakayala N., Reddy U. RNAseq analysis to track migrating transcripts and phenotypic implications of reciprocal grafts involving watermelon and bottle gourd. ARD Research Symposium 2019. Jacksonville, FL.
19. Bhandari M., Kshetry A., Peña-García Y., Shinde S., Saminathan T., Nimmakayala P., Reddy U. Uncovering the Genetic Components for Acidity Tolerance in *Arabidopsis* by Genome Wide Association Study. ARD Research Symposium 2019. Jacksonville, FL.

20. Peña-García Y., Delgado-Chávez A., Lopez-Ortiz C., Balagurusamy N., Shinde S., Saminathan T., Nimmakayala P., Reddy U. Exploration into natural variation for detecting novel QTLs for Arsenic effects in *Arabidopsis thaliana*. ARD Research Symposium 2019. Jacksonville, FL.
21. Lopez-Ortiz C., Abburi V., Saminathan T., Shinde S., Nimmakayala P., Reddy U. Regulation of novel and conserved miRNAs associated with flowering and fruit development across different Capsicum species. ARD Research Symposium 2019. Jacksonville, FL.
22. Stommel, John R., Umesh Reddy, Carlos Lopez Ortiz, Venkata Lakshmi Abburi, and Padma Nimmakayala. "Mapping QTL Associated with Anthracnose Resistance in Tomato." In *HORTSCIENCE*, vol. 54, no. 9, pp. S279-S279. 113 S WEST ST, STE 200, ALEXANDRIA, VA 22314-2851 USA: AMER SOC HORTICULTURAL SCIENCE, 2019.
23. Garcia M, Natarajan P, Dutta SK, Lopez C, Tomason Y, Saminathan T, Nimmakayala P and Reddy UK Genomewide Transcriptome Analysis across the Reciprocal Grafts Involving Watermelon and Bottle Gourd to Study Effects on Fruit Quality. International Plant & Animal Genome XXVII Conference, January 12-16, 2019, San Diego, CA.
24. Singh, N. V, Roopa S P., Parashuram S, Patil P, Babu K., Sharma D J, Kothandaraman H, Yellaboina S, Reddy UK and Singh BD. De Novo Genome Sequencing and Hybrid Assembly of *Punica granatum*, a Complex Fruit Genome. International Plant & Animal Genome XXVII Conference, January 12-16, 2019, San Diego, CA
25. Reddy UK, Patel T, Lopez C, Abburi VL, Bao K, Wang X, Rivera-Burgos L, Fei Z, Wehner T, Nimmakayala P, Kousik S, Wechter WP, Branham S, Ling KS, Jarret R, McGregor C, Levi A. Genome-Wide Diversity for Worldwide Watermelon Collections: Analysis of Population Structure, Haplotype Networks, Selective Sweeps and LD Decay to Characterize Domestication Signals. Cucurbitaceae 2018, November 12-15, 2018, Davis CA.
26. Ando K, Wang X, Reddy UK, Fei Z, McCreight JD. Exploring Genetic Diversity in the U.S. National Melon Collection. Cucurbitaceae 2018, November 12-15, 2018, Davis CA.
27. Grumet R, Fei Z, Weng Y, Wang X, Bao K, Zheng Y, Wehner T, Reddy UK, Levi A McCreight JD, Mazourek M, Kousik S, Ling KS, McGregor C, Wechter WP, Wessel-Beaver L, Wintermantel WM, Hausbeck M, Linares-Ramirez A, Quesada-Ocampo L, Smart C. The CucCAP Project: Genomic Tools and Resources to Facilitate Breeding for Disease Resistance in Cucurbits. Cucurbitaceae 2018, November 12-15, 2018, Davis CA.
28. Lopez C, Reddy UK, Garcia M, Saminathan T, Nimmakayala P, Balagurusamy N. Metagenomic and Metatranscriptomic Analyses of Diverse Watermelon Cultivars Reveal the Role of Fruit-Associated Microbiome in Carbohydrate Metabolism and Ripening of Mature Fruits. Cucurbitaceae 2018, November 12-15, 2018, Davis CA.
29. Garcia M, Dalton H, Dutta SK, Tomason Y, Lopez C, Nimmakayala P, Reddy UK, Levi A. Differential Gene Expression in Fruits Across Reciprocal Grafts and Effects of Grafting on Fruit Quality and Weight. Cucurbitaceae 2018, November 12-15, 2018, Davis CA.
30. Wang X, Bao K, Reddy UK, Bai Y, Hammer SA, Jiao C, Wehner TC, Ramírez-Madera AO, Weng Y, Grumet R, Fei Z. The USDA Cucumber (*Cucumis sativus* L.) Collection: Genetic

Diversity, Population Structure, Genome-Wide Association Studies and Core Collection Development. Cucurbitaceae 2018, November 12-15, 2018, Davis CA.

31. Akinmoju T, Bodunrin A, Sharma D, Shinde S, Dianellos V, Abburi VL, Lopez C, Nimmakayala P, Saminathan T, Reddy UK. Identification of Trichome Development Related Genes Using Genome-wide Association Studies In Watermelon Diverse Collections. The Donald Danforth Plant Science Center 19th Annual Fall Symposium September 26- 28, 2018, Saint Louis, Missouri.
32. Garcia M, Dalton HL, Dutta SK, Tomason Y, Lopez C, Shinde S, Saminathan T, Nimmakayala P, Levi A, Reddy UK. Differential gene expression in fruits across the reciprocal grafts and effects of grafting on fruit quality and weight. The Donald Danforth Plant Science Center 19th Annual Fall Symposium September 26- 28, 2018, Saint Louis, Missouri.
33. Bhandari M, Kshetry AO, Shinde S, Saminathan T, Nimmakayala P, Chatfield M, & Reddy UK. Elucidation of Genetic Components for Acidity and Aluminum tolerance using Arabidopsis GWAS panel. The Donald Danforth Plant Science Center 19th Annual Fall Symposium September 26- 28, 2018, Saint Louis, Missouri.
34. Lopez C, Abburi VL, Saminathan T, Shinde S, Nimmakayala P, Reddy UK. Regulation of novel and conserved miRNAs associated with flooring and fruit development across different Capsicum species. The Donald Danforth Plant Science Center 19th Annual Fall Symposium September 26- 28, 2018, Saint Louis, Missouri.
35. García Y, Delgado-Chávez AC, Lopez C, Balagurusamy N, Shinde S, Saminathan T, Nimmakayala P, Reddy UK. Exploration into natural variation for detecting novel QTLs for Arsenic effects in Arabidopsis. The Donald Danforth Plant Science The Donald Danforth Plant Science Center 19th Annual Fall Symposium September 26- 28, 2018, Saint Louis, Missouri.
36. Shinde S, Alvarado A, Saminathn T, Gajanayake B, Lopez C, Reddy KR, Nimmakayala P, Reddy UK. The Donald Danforth Plant Science Center 19th Annual Fall Symposium in Saint Louis, Missouri September 26- 28, 2018.
37. Reddy UK, Nimmakayala P, Abburi VL, Lopez C, Saminathan T, Alaparathi SB, Davenport B, Nadimi M, Vajja VG, Akinmoju T, Akinspe T, Kim S, Choi D and Stommel J. Genomewide Chromosomal Rearrangements and Impact of Positional Effect of Associated SNPs for Capsaicinoids and Fruit Weight in various Capsicum spp. International Plant & Animal Genome XXVI. Conference, January 13-17, 2018 San Diego. CA.
38. Nimmakayala P., Abburi V. L., Saminathan T., Almeida A., Davenport B., Davidson J., Reddy C.V., Hankins G., Reddy UK. Genome-wide divergence and linkage disequilibrium analyses for Capsicum baccatum revealed by genome anchored single nucleotide polymorphisms. 1890 Land-Grant Universities Association of Research Directors, Inc. 18th Biennial Research Symposium, April 1 - 4, 2017, Atlanta, Georgia.
39. Nimmakayala P., Reddy UK, Abburi V.L., Saminathan T., Alvarado A. G., Vajja V.G. Genome-Wide Differentiation of Various Melon Horticultural Groups for use in GWAS for Fruit Firmness and Construction of a High Resolution Genetic Map. 1890 Land-Grant

Universities Association of Research Directors, Inc. . 18th Biennial Research Symposium, April 1 - 4, 2017, Atlanta, Georgia.

40. Nimmakayala P., Abburi V. L., Saminathan T., Alaparathi S. B., Almeida A., Davenport B., Nadimi M., Davidson J., Tonapi K., Yadav L., Malkaram S., Vajja G., Hankins G., Harris R., Park M., Choi D., Stommel J., Reddy UK. Genome-wide diversity and association mapping for capsaicinoids and fruit weight in *Capsicum annuum* L. 1890 Land-Grant Universities Association of Research Directors, Inc. . 18th Biennial Research Symposium, April 1 - 4, 2017, Atlanta, Georgia.
41. Brown A, Ghimire B, Saminathan T, Lopez C, Nimmakayala P and Reddy UK. Identification and Validation of Microbial Community Involved in Watermelon Fruit Development. Undergraduate Research Day at the Capitol (URDC), February 24, 2017, Charleston, WV. USA.
42. Nimmakayala P and Reddy UK. Understanding Genetic Controls of Capsaicin Content in *Capsicum annuum* L. International Plant & Animal Genome XXIV. Conference, January 9-13, 2016, San Diego, CA.
43. Levi A, Simmons AM, Massey L, Coffey J, Wechter P, Tadmor Y, Nimmakayala P and Reddy UK. Genetic Relationships in the Desert Watermelon *Citrullus colocynthis* As Viewed with High Frequency Oligonucleotide–Targeting Active Gene (HFO–TAG) Markers. International Plant & Animal Genome XXIV. Conference, January 9-13, 2016, San Diego, CA.
44. Reddy UK, Nimmakayala P, Abburi VL, Reddy CVCM, Saminathan T, Percy RG, Yu YZ, Frelichowski J, Udall J, Page JT, Zhang D, Shehzad T, Paterson AH. Comparative Analysis of Genome-Wide Divergence, Domestication Footprints and Genome-Wide Association Study of Root Traits for *Gossypium hirsutum* and *Gossypium barbadense*. International Plant & Animal Genome XXIV. Conference, January 9-13, 2016, San Diego CA.
45. Nimmakayala P, Tomason Y, Abburi VL, Saminathan T, Vajja VG, Panicker GK and Reddy UK. (Oral Presentation). Genome-wide Differentiation of Various Melon Botanical Groups for Use in GWAS for Fruit Firmness and Construction of a High-resolution Genetic Map. Annual conference of the American Society for Horticultural Science, August 7-11, 2016, Atlanta, Georgia.
46. Nimmakayala P, Abburi VL, Vajja VG and Reddy UK. (Oral Presentation). Molecular diversity among Bitter melon (*Momordica charantia*) genotypes using SSRs and SNPs. Annual conference of the American Society for Horticultural Science, August 7-11, 2016, Atlanta, Georgia.
47. Tonapi K, Abburi VL, Reddy UK and Nimmakayala P. Association Mapping for Fruit Traits in *Capsicum chinense*. Annual conference of the American Society for Horticultural Science, August 7-11, 2016, Atlanta, Georgia.
48. Yadav LK, Saminathan T, Reddy UK and Nimmakayala P. Characterization of Ankyrin Gene Family and Other Genes Involved in Pepper Fruit Size and Capsaicin Content, Annual

conference of the American Society for Horticultural Science, August 7-11, 2016, Atlanta, Georgia.

49. Davidson J, Davenport B, Alaparathi SB, Nimmakayala P and Reddy UK. Diversity Analysis and Association Mapping of Fruit Colors in *Capsicum annuum* L Annual conference of the American Society for Horticultural Science, August 7-11, 2016, Atlanta, Georgia.
50. Panicker GK, Nanjundaswamy A, Mims W, Tomason Y, Nimmakayala P and Reddy UK. (Oral Presentation). Effect of Organic Manures on Biomass, Yield, and Quality of Melon (*Cucumis melo* L.) grown on a Heavy Soil. Annual conference of the American Society for Horticultural Science, August 7-11, 2016, Atlanta, Georgia.
51. Mao L, Sun H, Zheng Y, Jiao C, Wechter P, Ling KS, Tadmor Y, Katzir N, Hernandez A, Nimmakayala P, and Reddy UK, Guo S, Xu Y, Levi A, Fei Z. Sequencing and Assembly of the Genome of an American Watermelon Ecotype, Charleston Gray. International Plant & Animal Genome XXIII. Conference, January 10-14, 2015, San Diego, CA.
52. Bodunrin A, Saminathan T, and Reddy UK. International Plant & Animal Genome XXIII. Conference, January 10-14, 2015, San Diego, CA.
53. Roberts E, Alaparathi SB, Nimmakayala P, and Reddy UK. Determination of HPLC analysis for Capsaicin and Dihydrocapsaicin in *Capsicum annuum* fruits, The College of Natural Sciences and Mathematics Spring Research Symposium, 2014, West Virginia State University, Institute, WV.
54. Roberts E, Alaparathi SB, Nimmakayala P, and Reddy UK. Determination of HPLC analysis for Capsaicin and Dihydrocapsaicin in *Capsicum annuum* fruits. 11th Annual undergrad research day at the capitol, 2014, Charleston, WV.
55. Reddy UK, Nimmakayala P and Levi A, Genome Wide Association Mapping in Watermelon. International Plant & Animal Genome XXII. Conference, San Diego. January 11-15, 2014.
56. Levi A, Wechter P, Massey P, Donahoo R, Jarret R, Nimmakayala P, Reddy UK, Gene Sequences Present in *Citrullus* sp. and having been Lost during Domestication of Watermelon. International Plant & Animal Genome XXII. Conference, January 11-15, 2014, San Diego, CA.
57. Dalton II HL, Reddy, UK., Manohar S, Tomason Y, Levi A, Nimmakayala P, Differential Expression Of miRNA Across the Grafted Tissues Collected from Heterografts Involving Different Genera of Cucurbitaceae Family, International Plant & Animal Genome XXI. Conference, January 12-16, 2013, San Diego, CA.
58. Nimmakayala P, Abburi VL, Abburi L, Vajja VG, Reddy UK. Population Structure and Association Mapping Of Fruit Traits and Capsicum Content In *Capsicum Annuum* L. International Plant & Animal Genome XXI. Conference, San Diego. January 12-16, 2013.
59. Reddy UK, Nimmakayala P, Manohar S, Thompson J, Almeida A, Tomason Y, Vajja VG, Jagadeeswaran G, Levi A, Sunkar R. Gene Expression Across Ploidy Levels of Watermelon. International Plant & Animal Genome XXI. January 12-16, 2013, San Diego, CA.

60. Reddy, U K., Dingess L, Abburi VL and Nimmakayala P. Competition ability of Arabidopsis ecotypes. 23rd International Conference on Arabidopsis Research, 3-7 July 2012. Vienna, Austria.
61. Reddy UK, Manohar S and Nimmakayala P. 2012. Differential miRNA regulation across various ploidy levels in watermelon and Arabidopsis. 23rd International Conference on Arabidopsis Research. Vienna, Austria 3-7 July, 2012.
62. Almeida A, Nimmakayala P, Aryal N, Manohar S, Vajja VG, Chatfield M, Kaushal G, Reddy UK. Genomic Strategies to Mine Alleles That Control Capsaicin, Dihydrocapsaicin and Related Compounds. International Plant & Animal Genome XX. Conference, January 14-18, 2012, San Diego, CA.
63. Scheuring C, Bhandari A, Aryal N, Vajja VG, Zhang Y, Zhan H, Reddy UK. Mining and mapping of SSR motifs from BAC-end sequences of watermelon. International Plant & Animal Genome XX. Conference, January 14-18, 2012, San Diego, CA.
64. Tomason Y, Nimmakayala P, Vajja VG, Levi A, Reddy UK. LD Mapping For Melon Fruit Related Traits. . International Plant & Animal Genome XX Conference, January 14-18, 2012, San Diego, CA.
65. Nimmakayala P, Tomason Y, Jeong J, Vajja VG, Levi A, Reddy UK. SNP Genotyping In Watermelon Heirloom Collections. January 14-18, 2012, San Diego, CA.
66. Nimmakayala P, Tomason Y, Vajja VG, Abburi VL, Pegadaraju V, Wijeratne A, Levi A, Reddy UK.2012. Identification of SNP Haplotypes and Prospects of Association Mapping in Watermelon. International Plant & Animal Genome XX Conference, January 14-18, 2012- San Diego, CA.
67. Almeida A, Nimmakayala P, Tomason Y, Chatfield M, Vajja VG, Levi A, Reddy UK. Identifying molecular variation in capsaicin biosynthetic pathway related genes in Capsicum annum L. International Plant & Animal Genome XX Conference, January 14-18, 2012- San Diego, CA.
68. Nimmakayala P, Tomason Y, Vajja VG, Levi A, Reddy UK. SNP genotyping to resolve population structure in watermelon heirloom collections. International Plant & Animal Genome XX Conference, January 14-18, 2012- San Diego, CA.
69. Nimmakayala P, Tomason Y, Jeong J, Vajja VG, Levi A, Reddy UK. Molecular And Cytogenetic Characterization Of Watermelon Using DNA Markers And FISH. International Plant & Animal Genome XX. Conference, January 12-16, 2011 San Diego, CA.
70. N. Aryal, N.I. Faridi, Nimmakayala P, Reddy UK. Use of Fluorescent in situ Hybridization (FISH) to characterize Watermelon and its wild species. 1890 Land-Grant Universities Association of Research Directors, Inc.16th Biennial Research Symposium Proceedings. April 12-16, 2011.
71. Perry Z, Reddy UK and Nimmakayala P. Genetic and metabolomic diversity in Bitter Melon (Momordica charantia L.) 1890 Land-Grant Universities Association of Research Directors, Inc.16th Biennial Research Symposium Proceedings. April 12-16, 2011.

72. Tomason Y, Nimmakayala P, Vajja VG, Levi A, Gibson P, Reddy UK. LD Mapping For Melon Fruit Related Traits. International Plant & Animal Genome XVIII Conference, January 12-16, 2010 San Diego, CA.
73. Nimmakayala P, Tomason Y, Jeong J, Vajja VG, Levi A, Gibson P, Reddy UK. Population Structure And Association Mapping In Watermelon Heirloom Collections. International Plant & Animal Genome XVIII. Conference, January 12-16, 2010, San Diego, CA.
74. Rehman MA, Nimmakayala P, Tomason Y, Jeong J, Vajja VG, Levi A, Reddy UK. Mapping QTL In Synthetic Tetraploid Population Of Watermelon. International Plant & Animal Genome XVIII. Conference, January 12-16, 2010, San Diego, CA.
75. Nimmakayala P, Tomason Y, Jeong J, Vajja VG, Levi A, Reddy UK. Molecular And Cytogenetic Characterization Of Watermelon Using DNA Markers And FISH. International Plant & Animal Genome XVIII. Conference, January 12-16, 2010, San Diego, CA.
76. Nimmakayala P, Tomason YR, Vajja VG and Reddy UK. 2010. Population Structure and Association Mapping in Watermelon. 108th Annual conference of the American Society for Horticultural Science, August 2-5, 2010. (Oral Presentation).
77. Tomason YR, Nimmakayala P, Vajja VG, Levi A, Gibson P and Reddy UK. 2010. LD Mapping for Melon fruit related traits. 108th Annual conference of the American Society for Horticultural Science, August 2-5, 2010. (Oral Presentation).
78. Aryal N, Nimmakayala P, Tomason YR, Jeong J, Vajja VG, Levi A and Reddy UK. Molecular and cytogenetic characterization of watermelon using DNA Markers and FISH. 108th Annual conference of the American Society for Horticultural Science, August 2-5, 2010.
79. Lutz FG, Nimmakayala P, Tomason YR, Levi A and Reddy UK. 2010. Syntenic Analysis of Cucurbit Cultivar Complex Using Microsatellite Markers. 108th Annual conference of the American Society for Horticultural Science, August 2-5, 2010. (Oral Presentation).
80. Tomason Y, Nimmakayala P, Vajja VG, Levi A Paul Gibson, Reddy UK. LD Mapping For Melon Fruit Related Traits. International Plant & Animal Genome XVIII Conference, January 12-16, 2010, San Diego, CA.
81. Nimmakayala P, Tomason Y, Jeong J, Vajja VG, Levi A, Gibson P, Reddy UK. Population Structure And Association Mapping In Watermelon Heirloom Collections. International Plant & Animal Genome XVIII. Conference, January 12-16, 2010, San Diego, CA.
82. Rehman MA, Nimmakayala P, Tomason Y, Jeong J, Vajja VG, Levi A, Reddy UK. Mapping QTL In Synthetic Tetraploid Population Of Watermelon. International Plant & Animal Genome XVIII. Conference, January 12-16, 2010, San Diego, CA.
83. Nimmakayala P, Tomason Y, Jeong J, Vajja VG, Levi A, Reddy UK. Molecular And Cytogenetic Characterization Of Watermelon Using DNA Markers And FISH. International Plant & Animal Genome XVIII. Conference, January 12-16, 2010, San Diego, CA.
84. Reddy UK., Tomason YR, Levi A and Nimmakayala P. Mapping QTLs in Ukrainian Melons. International Plant and Animal Genomes XIII Conference, January 15-17, 2008, San Diego, CA.

85. Ibrokhim Y. Abdurakhmonov, Buriev ZT, Akhmedjonov A, Reddy UK, Saha S, Nimmakayala P, Abdukarimov A. Genetic Diversity among elite uzbek cotton varieties revealed by AFLP. International Plant and Animal Genomes XII Conference, January 10-14, 2004, San Diego, CA.
86. Reddy UK, Nimmakayala P, Saha S, Besong S, Bates GT, Saha S, Jenkins JN, Stommel JR, Quirin E, Jahn M. Allelic Plasticity of simple sequence repeats among domesticated and wild species of capsicum. International Plant and Animal Genomes XI Conference, January 11-15, 2003, San Diego, CA.