

Curriculum vitae
Chandrika Ramadugu

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Education: Ph.D. in Microbiology, Indian Institute of Science, Bangalore, India (1984) M.Sc. in Botany with specialization in Plant Pathology, Mysore, India (1976) B.Sc. in Botany, Zoology and Chemistry, Mysore, India (1974)

Professional experience: July 2015 - current: Associate Project scientist, Botany and Plant Sciences, Univ. of California Riverside, CA. 2007-June 2015: Assistant Project Scientist, joint position with the Dept. of Botany and Plant Sciences, University of California at Riverside and United States Department of Agriculture, Riverside, CA.

Current Grants:

1. Ramadugu, Dardick, Kunta, Roose, Arpaia, Kahn, Obenland, Mccollum, Patt, Jetter. 2019-2023. Development of huanglongbing resistant/tolerant citrus through genomic approaches. USDA NIFA (\$3,941,090). PI: Ramadugu.
2. Coaker, Ma, Mandadi, McRoberts, Ramadugu, Thomson and Wang 2019-2023. Exploiting pattern triggered immunity to combat HLB. USDA NIFA (\$400,000) PI: Coaker; Co-PI: Ramadugu.
3. Ramadugu, Albrecht, Kunta, Duan, Guan, Main, Cutler, Mauk, Roose. 2020-2023. Novel, non-transgenic, hybrid citrus varieties with resistance to huanglongbing: evaluation and cultivar development. USDA NIFA (\$4,670,000). PI: Ramadugu.
4. Ramadugu, C. and Roose, M.L. 2021-2022. Breeding for generating HLB resistant citrus, and field evaluation of selected HLB tolerant hybrids. Funded by CRB. PI: Ramadugu.

Selected Publications and relevant abstracts (2016-2022):

1. Ramadugu, Keremane, Stover, Hall, Roose and Lee. 2018. Finding tolerance and/or resistance to huanglongbing in citrus relatives. *Citrus in the Americas* 1: 52-63. http://riacnet.net/wp-content/uploads/2019/01/Revista-Citricos-de-las-Americas_2018.pdf
2. Horton, D.R., Miliczky, E.R., Lewis, T.M., Wohleb, C.H., Waters, T.D., Dickens, A.A., Halbert, S.E., Ramadugu, C., Jensen, A.S. 2018. Building a better psyllid trap? A field-look at a prototype trap constructed using 3D-printer technology. *The Canadian Entomologist* 151: 115-129. <https://doi.org/10.4039/tce.2018.59>
3. Butelli, E., Licciardello, C., Ramadugu, C., Durand-Hulak, M., Celant, A., Recupero, G.R., Froelicher, Y., Martin, C. 2019. Noemi controls production of flavonoid pigments and fruit acidity and illustrates the domestication routes of modern citrus varieties. *Current Biology* 29: 158-164. <https://doi.org/10.1016/j.cub.2018.11.040>.

4. Jessica Franco, Chandrika Ramadugu and Gitta Coaker. 2019. Developing immune assays for rapid citrus evaluation. *Citrograph* 10: 56-59.
5. Ramadugu, C., Keremane, M.L., Lee, R.F., Hall, D.G., McCollum, T.G., and Roose, M.L. 2019. Novel citrus hybrids with HLB resistance. *Citrograph* 10: 60-64.
6. Biswas, K.K., Palchoudhury, S., Chakraborty, P., Bhattacharyya, U.K., Ghosh, D.K., Debnath, P., Ramadugu, C., Keremane, M.L., Khetarpal, R.K. and Lee, R.F. 2019. Codon usage bias analysis of Citrus tristeza virus: higher codon adaptation to Citrus reticulata host. *Viruses* 11:331; [doi:10.3390/v11040331](https://doi.org/10.3390/v11040331)
7. Hall, David, G., Ramadugu, Chandrika, Hentz, Mathew, G., Gmitter, Fred. G. and Stover, Ed. 2019. Survey of *Poncirus trifoliata* hybrids for resistance to colonization by Asian Citrus Psyllid. *Florida Entomologist* 103(3):635-637. <https://doi.org/10.1653/024.102.0339>
8. Huang, C. Y., Niu, D., Kund, G., Jones, M., Albrecht, U., Nguyen, L., Bui, C., Ramadugu, C., Bowman, K.D., Trumble, J. and Jin, H. 2020. Identification of citrus immune regulators involved in defense against Huanglongbing using a new functional screening system. *Plant Biotechnology Journal* 19:757-766. <https://doi.org/10.1111/pbi.13502>
9. Stover, E., Ramadugu, C., Roose, M., Krystel, J., Lee, R.F. and Keremane, M. 2021. Incidence of Asiatic citrus canker on trifoliolate orange and its hybrid accessions in a Florida field planting. *HortScience* 56: 525-531. <https://doi.org/10.21273/HORTSCI15684-20>.
10. Lee, R. F., Keremane, M. L., & Ramadugu, C. 2021. Use of young plants for biological indexing of graft transmissible pathogens of citrus. *Crop Protection*, 143, 105524. <https://doi.org/10.1016/j.cropro.2020.105524>
11. Keremane, M. L., McCollum, T. G., Roose, M. L., Lee, R. F., & Ramadugu, C. 2021. An Improved Reference Gene for Detection of “Candidatus Liberibacter asiaticus” Associated with Citrus Huanglongbing by qPCR and Digital Droplet PCR Assays. *Plants* 2021, 10(10), 2111. <https://doi.org/10.3390/plants10102111>
12. Eliezer S. Louzada and Chandrika Ramadugu. 2021. Grapefruit: History, Use, and Breeding. *HortTechnology* p:1-16. <https://doi.org/10.21273/HORTTECH04679-20>.
13. Snyder, J., Dickens, K.L., Halbert, S.E., Dowling, S., Russell, D., Henderson, R., Rohrig, E. and Ramadugu, C. 2022. “The Development and Evaluation of insect traps for the Asian Citrus Psyllid, *Diaphorina citri* (Hemiptera: Psyllidae), vector of Citrus Huanglongbing”. *Insects* 13:295. <https://doi.org/10.3390/insects13030295>
14. Ramadugu, C., Keremane, M.L., Halbert, S.E., Duan, Y.P., Roose, M.L., Stover, E. and Lee, R.F. 2016. Long-term field evaluation reveals huanglongbing resistance in Citrus relatives. *Plant Disease*. <http://dx.doi.org/10.1094/PDIS-03-16-0271-RE>
15. Miles, G.P., Stover, E., Ramadugu, C., Keremane, M.L., Lee, R.F. 2017. Apparent tolerance to huanglongbing in Citrus and Citrus-related germplasm. *HortScience* 52 (1): 31-39. <http://hortsci.ashspublications.org/content/52/1/31.full>