

CURRICULUM VITAE
VERONICA ANCONA, PHD

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EDUCATION:

Ph.D. Plant Pathology , Texas A&M University, USA	2011
M.S. Plant and Soil Science , Texas A&M University-Kingsville, USA	2005
B.S. Agronomy with Honors , Universidad Autónoma de Nuevo León, México	2000

RESEARCH AND PROFESSIONAL EXPERIENCE

I am an Associate Professor of Citrus Pathology at the TAMUK-Citrus Center Department of Agriculture, Agribusiness and Environmental Sciences, Texas A&M University-Kingsville. My research experience includes investigating the molecular mechanisms regulating virulence of the vascular pathogens *Erwinia amylovora* and *Xylella fastidiosa*. My current research program follows three major lines of investigation. The first area of research focuses on Huanglongbing (HLB) disease of citrus. This research includes the evaluation of therapies to mitigate the disease including the use of antimicrobials. The second research focus is on the evaluation of plant pathogens in irrigation water and their role in plant disease epidemiology in South Texas agriculture. The third area of research includes the characterization of the microbial communities associated with citrus and their role in tree health.

EMPLOYMENT HISTORY

2024 – Present **Professor**, Citrus Pathology, Texas A&M University-Kingsville Citrus Center. Weslaco, TX

2020 – 2024 **Associate Professor**, Citrus Pathology, Texas A&M University-Kingsville Citrus Center. Weslaco, TX

2014 – 2020 **Assistant Professor**, Citrus Pathology, Texas A&M University-Kingsville Citrus Center. Weslaco, TX

2011 – 2014 **Postdoctoral Research Associate**, Phytobacteriology, Crop Sciences Department, University of Illinois. Urbana, IL

2010 – 2011 **Teaching Assistant**, Introduction to Plant Pathology Laboratory. Plant Pathology and Microbiology Department, Texas A&M University. College Station, TX.

2006 - 2010 **Research Assistant**, Plant Pathology and Microbiology Department, Texas A&M University. College Station, TX

2005 – 2005 **Teaching Assistant**, Molecular and Mendelian Genetics Laboratory. Biology Department, Queen's University. Kingston, ON Canada.

2003 - 2005 **Research Assistant**, Texas A&M University-Kingsville Citrus Center. Weslaco, TX

2002 - 2003 **Project Developer and partner**, Peninsular Agricultural and Animal Products Habanero Co. Merida, Mexico

2001 - 2002 **Lab Technician**, Plant Pathology Diagnostics Clinic, Facultad de Agronomia, Universidad Autonoma de Nuevo Leon. Mexico

HONORS AND AWARDS

- **2025 – Outstanding Faculty Member.** Texas A&M University Kingsville Presidential Award
- **2022 – Senior Teaching Award.** Dick and Mary Lewis Kleberg College of Agriculture and Natural Resources, Texas A&M University-Kingsville
- **2018 – Travel Award** from Oomycete Molecular Genetics Network.
- **2016 – Junior Faculty Research Award** from the Dick and Mary Lewis Kleberg College of Agriculture, Natural Resources and Human Sciences, Texas A&M University-Kingsville
- **2016 – Raising Star Alumni Award** from the Javelina Alumni Association. Texas A&M University-Kingsville
- **2009 – Graduate Student Travel Award**, College of Agriculture and Life Sciences, Texas A&M University
- **2006 – Pathways to Doctorate Fellowship**, Texas A&M University
- **2005 – Outstanding Graduate Student**, College of Agriculture, Natural Resources and Human Sciences, Texas A&M University-Kingsville
- **2005 – Red Grapefruit Scholarship**, Texas A&M University-Kingsville -Citrus Center
- **2004 – Red Grapefruit Scholarship**, Texas A&M University-Kingsville -Citrus Center

GRANTS AWARDED (\$4,795,177)

FY	Authors, Title, Supporting Agency, and Period of performance	Ancona funds
2024	Mandadi, K., Albrecht, U., Borneman, J., Ancona, V., Laughlin, D. SP- Evaluation of novel aerial root and inarch graft systems for enhancing the delivery of HLB therapies into citrus tree vasculature. USDA-NIFA-ECDRE. 09/30/24-08/31/27	\$200,006
	Vincent, C., Vashisth, T., Killiny, N., Levy, N., Ancona, V., El-Kereamy, A. SP: Guided therapeutic delivery: Improving HLB-affected tree health by basing volume, timing, and location of injection on tree physiology and phenology. USDA-NIFA-ECDRE. 09/01/24-08/31/27	\$225,000
	Duan, Y., Jin, H., Ancona, V., Zhai, Y., Charudattan, R., Matsamura, E. SP: Control citrus huanglongbing by using the citrus isolate of Nectarine marafivirus M and its expression system. USDA-NIFA-ECDRE. 09/01/24-08/31/27	\$231,377
	Ren, J., Li, H., Ancona, V., Ma, X., Packman, A., Dravid, V. Collaborative Education and Research in Micro-Nano-Plastics to Train a Diverse and Talented Workforce for Sustainable Agriculture. USDA-NIFA-HSI. 09/01/24-08/31/28	\$145,476
	Setamou, M, Ancona, V., Cabrera, J., Kunta, M., Hussain, S., Agunbiade, T. Research Support for TAMUK Citrus Center Programs. Texas Citrus Producers Board. 9/01/2024 – 8/31/2025.	\$30,000

2023	Laughlin D. & Ancona V. Establishing a water-use profile for the water-efficient specialty crop, dragon fruit, in South Texas. Texas Water Development Board. 07/01/23-06/30/26.	\$70,834
	Seymour, D. (PD), Bowman, K., Rolshausen, P., Ancona, V., Albrecht, U. Singerman, A. Large-scale breeding and evaluation of the next generation of superior rootstocks for citrus production in regions with Huanglongbing. USDA-NIFA-ECDRE. 09/30/23-09/29/28	\$489,767
	Setamou, M (PI), Ancona, V., Cabrera, J., Kunta, M. Research Support for TAMUK Citrus Center Programs. Texas Citrus Producers Board. 9/01/2023 – 8/31/2024.	\$30,000
2022	Ancona, V. (PD), Donato, C., Reyes, J. Connecting the Dots in the Global Fresh Produce Market. USDA-NIFA-HSI. 9/1/22-8/31/26.	\$270,096
	Ancona V. (PD). Monitoring for Antibiotic Resistance in Citrus Groves Treated with Mycoshield (Calcium Oxytetracycline). Nufarm Americas Inc. 01/01/2023 – 12/31/2023	\$82,141
	Setamou, M, Ancona, V., Reyes, J, Kunta, M. Sustainable Support for CORE Research Programs at TAMUK Citrus Center. Texas Citrus Producers Board. 9/1/22-8/31/23	\$30,000
	Hosur, M., Ren, J., Ancona, V., Sinha, T., Ma, X., Dravid, D. Assessment of Micro-Nano-Plastics Occurrence and Characteristics in Irrigation Waters, Farmland Soils and Agricultural Products in South Texas. NSF Supplemental. 9/1/22-8/31/23	\$100,000
	Reyes, J., Setamou, M., Ancona, V., Laughlin, D. Development of sustainable irrigation and nutrient management for citrus groves in South Texas. Valley Ag Development Council. 01/01/2023 – 12/31/2023	\$50,000
2021	Ancona V. (PD). Monitoring for Antibiotic Resistance in Citrus Groves Treated with Mycoshield (Calcium Oxytetracycline). Nufarm Americas Inc. 06/18/2021 – 12/31/2022	\$182,115
	Mandadi, K., Ireya, M., Yakomi, R., Albrecht, U., Ancona, V., Singerman, A., Rios, S., Ibanez, F. CAP- Advanced testing and commercialization of novel defensin peptides and therapies for HLB control. 09/1/21– 08/31/25 Total award: \$7M	\$500,045
2020	Setamou, M, Ancona, V., Louzada, E., Kunta, M. Sustainable technical support for Citrus Center research programs (2020-21) Texas Citrus Producers Board 09/01/20 – 08/31/21. Total award: \$102,352	\$25,000
	Setamou M., Ancona V., Kunta M. Enhancing Productivity of HLB-endemic orchards via Improved Soil-health. HLB-MAC. 2020-2022	\$433,418
2019	Setamou, M, Ancona, V., Louzada, E., Kunta, M. Sustainable technical support for Citrus Center research programs (2019-20) Texas Citrus Producers Board 09/01/19 – 08/31/20. Total award: \$128,186	\$30,000
	Batuman., O., Ancona, V., Ampatzidis, I., Albrecht, U., Alferez, F., Wade T.,	\$335,821

	Killiny, N., Levy, A., Ferguson, L. Development of an automated delivery system for therapeutic materials to treat HLB infected citrus. USDA-NIFA-ECDRE. 01/01/20 – 12/31/23 Total award: \$4 M	
2018	Mandadi K., Ancona V., Fernando S, Coaker G, Dawson W, Futch S, Ireya M. A scalable bioassay for culturing CLAs and high-throughput screening of novel antimicrobials for HLB management. USDA-NIFA_ECDRE. 2018-2020 Total award \$1.2 M	\$109,065
	DaGraca J. Ancona, V., Louzada E, Setamou M, Simpson, C. Sustainable Technical Support for Citrus center Research Programs. Texas Citrus Producers Board. 2018-2019. Total award: \$106,622	\$25,000
2017	DaGraca J. Ancona, V., Louzada E, Setamou M, Simpson, C. Sustainable Technical Support for Citrus center Research Programs. Texas Citrus Producers Board. 09/01/2017-08/31/2018. Total award: \$109,672	\$25,000
	Ancona, V., Simpson, C. Field evaluations of <i>Trichoderma</i> applications for sustainable control of <i>Phytophthora</i> infections. Texas Citrus Producers Board. 09/01/2017-08/31/2018.	\$23,874
	Ancona, V., Simpson, C. Mitigation of Citrus HLB by integrating thermotherapy and antimicrobial treatments in Texas. HLB-MAC. 09/01/2017-08/31/2019	\$342,777
	Duan, Y., Ancona, V., Albrecht, U., Baldwin E, Futch SH, Guan Z, Lin H, Powell, C. Identification, assessment, and delivery of antimicrobial compounds for the management of citrus HLB. 09/01/2017-08/31/2019 Total award: 1.8 M	\$185,467
2016	DaGraca J. Ancona, V., Louzada E, Setamou M, Simpson, C. Sustainable Technical Support for Citrus center Research Programs. Texas Citrus Producers Board. 09/01/2016-08/31/2017. Total award: \$114,251	\$25,000
	Ancona, V., Simpson, C. Evaluation of native <i>Trichoderma</i> applications for sustainable control of <i>Phytophthora</i> infections. Texas Citrus Producers Board. 09/01/2016-08/31/2017.	\$42,687
	Ancona, V. Evaluation of Mefenoxam and Fosetyl -Al application rates for effective control of <i>Phytophthora</i> infections. Texas Citrus Producers Board. 09/01/2016-08/31/2017.	\$5,850
	Ma, W., Ancona, V., Coaker G, House L, Vidalakis G, Wang N. Effectoromics of the Huanglongbing (HLB)-associated pathogen. USDA-NIFA-ECDRE. 01/01/2016 -12/31/2020 Total award: 3.86 M	\$447,177
2015	Ancona, V. Evaluating Sources of Inoculum and Control Methods for <i>Phytophthora</i> Infested Citrus Groves. Texas Citrus Producers Board. 09/01/2015-08/31/2016.	\$3,200
	DaGraca J. Ancona, V., Louzada E, Setamou M, Simpson, C. Sustainable Technical Support for Citrus center Research Programs. Texas Citrus	\$53,784

	Producers Board. 09/01/2015-08/31/2016.	
	Ancona, V., Alabi, O. Evaluating Sources of Inoculum and Control Methods for <i>Phytophthora</i> Infested Citrus Groves. Texas Citrus Producers Board. 09/01/2015-08/31/2016.	\$45,200

PUBLICATIONS

In the field plant pathology, microbiology and biological sciences, most publications have multiple authors. Graduate students and post-docs are assigned *first authorship* if they provided significant scholarly contribution and corresponding/senior authors are typically *last* in the list of authors. The designations below follow the following format: Contributions of Ancona's post- docs, graduate and undergraduate student names are underlined; (*)denotes Ancona as corresponding/senior author.

Refereed Journals:

1. Alapati, D.K.; **Ancona, V.**; Setamou, M.; Donato, C.; Nelson, S.D.; Reyes-Cabrera, J. Sunflower and Sunn Hemp Potential as Summer Cover Crops in Southern Texas. *Agronomy* 2025, 15, 986. <https://doi.org/10.3390/agronomy15040986>
2. Ramirez-Delgado, E.; **Ancona, V.**; Frias-Trevino, G.A.; Hernandez-Mendoza, J.L.; Garcia-Leon, I.; Quiroz-Velasquez, J.D.C. 2025. Identificación de genes homólogos a inhibidores de proteasas presentes en el genoma del oomiceto patógeno de la familia de las solanáceas. *Revista de La Universidad de Zulia*. 16 (45):43-55. doi: 10.5281/zenodo.14600156
3. Khuimphukhieo I., Chavez, J.C., Yang, C., Pasupuleti, L.A., Olaniyi, I., **Ancona, V.**, Mandadi, K.K., Jung, J., Enciso, J. 2024. Assessing Huanglongbing Severity and Canopy Parameters of the Huanglongbing-Affected Citrus in Texas Using Unmanned Aerial System-Based Remote Sensing and Machine Learning. *Sensors*. Nov 29;24(23):7646. doi: 10.3390/s24237646
4. Lombardo MF, Zhang Y, Xu J, Trivedi P, Zhang P, Riera N, Li L, Wang Y, Liu X, Fan G, Tang J, Coletta-Filho HD, Cubero J, Deng X, **Ancona V.**, Lu Z, Zhong B, Roper MC, Capote N, Catara V, Pietersen G, Al-Sadi AM, Xu X, Wang J, Yang H, Jin T, Cirvilleri G and Wang N. 2024. Global citrus root microbiota unravels assembly cues and core members. *Front. Microbiol.* 15:1405751. doi: 10.3389/fmicb.2024.1405751
5. Wang, H., Irigoyen, S., Liu, J., Ramasamy, M., Padilla, C., Bedre, R., Yang, C., Thapa, S.P., Mulgaonkar, N., **Ancona, V.**, He, P., Coaker, G., Fernando, S., Mandadi, K.K. 2024. Inhibition of a conserved bacterial dual-specificity phosphatase confers plant tolerance to *Candidatus Liberibacter* spp., ISCIENCE. doi: <https://doi.org/10.1016/j.isci.2024.109232>
6. Calderon, M., Yang, C., **Ancona, V***. 2023. Assessing Fungal Plant Pathogen Presence in Irrigation Water from the Rio Grande River in South Texas, USA. *Agriculture*. 13(7): 1401.
7. De la Garza M.N., Ren, J., **Ancona, V.** 2023. Spatiotemporal variations of hydrochemical characteristics of irrigation water: a case study of the Lower Rio Grande Valley, USA. *Water Supply*. 23 (5): 2001–2013

8. Yang, C., & **Ancona V***. (2022). Validation of Propidium Monoazide-qPCR for Assessing Treatment Effectiveness against ‘*Candidatus Liberibacter asiaticus*’ in Citrus. *Agronomy*. 12 (11): 2783
9. Fadli, A., Benyahia, H., Hussain, S., Khan, R. i., Rashid, I., Rao, M. J., Ahmed, T., **Ancona, V.**, & Khalid, M. F. (2022). Phytophthora-citrus interactions and management strategies: a review. *Turk J Agric For*. 46(5): 730-742.
10. Mora, V., Ramasamy, M., Damaj, M. B., Irigoyen, S., **Ancona, V.**, Avila, C. A., Vales, M. I., Ibanez, F., & Mandadi, K. K. (2022). Identification and characterization of Potato Zebra Chip resistance among wild *Solanum* species. *Front. Microbiol*. 13:857493.
11. Yang, C., & **Ancona V***. (2022). An Overview of the Mechanisms against ‘*Candidatus Liberibacter asiaticus*’: Virulence Targets, Citrus Defenses and Microbiome. *Front. Microbiol*. 13, 850588. <https://doi.org/10.3389/fmicb.2022.850588>
12. De Francesco, A., Lovelace, A., Shaw, D., Qiu, M., Wang, Y., Gurung, F., **Ancona, V.**, Wang, C., Levy, A., Jiang, T. & Ma, W. (2022). Transcriptome profiling of *Candidatus Liberibacter asiaticus* in citrus and psyllids. *Phytopathology*. 112 (1): 116-130.
13. Laughlin, D. A., Solorzano, J., Enciso, J., & **Ancona, V***. (2021). Identification of Flooding Risk Factors in Texas Citrus Production with UAV imagery: A Case Study. *Subtrop Ag Envirion J*. 72:29-36.
14. Mora, V., Ramasamy, M., Damaj, M. B., Irigoyen, S., **Ancona, V.**, Ibanez, F., Avila, C. & Mandadi, K. K. (2021). Potato Zebra Chip: An Overview of the Disease, Control Strategies, and Prospects. *Frontiers in Microbiology*, 2064.
15. Perez, E., Kunta, M., **Ancona, V.**, da Graça, J. V., Ayin, C., Santillana, G., & Mavrodieva, V. (2021). The Return of Asiatic Citrus Canker to Texas: Surveys and Eradication Efforts. *Plant Health Progress*, 22(2), 143-148.
16. Yang, C., and **Ancona V***. (2021). Metagenomic Analysis Reveals Reduced Beneficial Microorganism Associations in Roots of Foot Rot Affected Citrus Trees. *Phytobiomes J*. 5(3), 305-315.
17. Yang, C., Hu, H., Wu, Y., Lin, X., Fan, G., Duan, Y., Powell, C., **Ancona, V.**, Zhang M. 2020. Metagenomic analysis reveals the mechanism for the observed increase in antibacterial activity of penicillin against uncultured bacteria *Candidatus Liberibacter asiaticus* relative to oxytetracycline in planta. *Antibiotics* 9(12):874.
18. Franco, J.Y., Thapa, S.P., Pang, Z., Gurung, F.B., Liebrand, T.W.H., Stevens, D.M., **Ancona, V.**, Wang, N., Gitta Coaker. 2020 Citrus Vascular Proteomics Highlights the Role of Peroxidases and Serine Proteases during Huanglongbing Disease Progression. *Mol Cel Proteomics*. 19 (12) 1936-1951; DOI: 10.1074/mcp.RA120.002075
19. Chaudhary S., Laughlin D.A., Setamou M., da Graça J. V., Kunta M., Alabi O.J., Crosby K.M., Ong K.L., **Ancona V***. 2020. Incidence, Severity, and Characterization of Phytophthora Foot Rot of Citrus in Texas and Implications for Disease Management. *Plant Dis*. 104 (9): 2455–2461
20. Gurung F.B., **Ancona V.***, Campos M., Choppakatla, V.K. 2020. Efficacy test of commercial formulations against Phytophthora root rot of citrus. *Subtrop Ag Envirion J*. 71: 29-35.
21. Thapa, S. P., De Francesco, A., Trinh, J., Gurung, F. B., Pang, Z., Vidalakis, G., Wang, N., **Ancona, V.**, Ma, W., Coaker, G. 2020. Genome-wide analyses of *Liberibacter* species

- provides insights into evolution, phylogenetic relationships, and virulence factors. *Mol. Plant Pathol.* 21:716-731
22. Yang C., Powell C.A., Duan Y., **Ancona V.**, Huang J.Y., M. Zhang. 2020. Transcriptomic analysis reveals root metabolic alteration and induction of huanglongbing resistance by sulphonamide antibiotics in huanglongbing-affected citrus plants. *Plant Pathol.* 69:733-743
 23. Garza B., **Ancona V.**, Enciso J., Perotto-Baldivieso H., Kunta M., Simpson C. 2020. Quantifying citrus tree health using true color UAV images. *Remote Sensing.* 12, 170; doi:10.3390/rs12010170
 24. Lee, J.H., **Ancona, V.**, Chatnaparat, T., Zhao, Y. 2019. The RNA-binding protein CsrA controls virulence in *Erwinia amylovora* by regulating RelA, RcsB, and FlhD at the posttranscriptional level. *Mol. Plant Microbe Interact.* doi: 10.1094/MPMI-03-19-0077-R.
 25. Clark K, Franco JY, Schwizer S, Pagn Z, Hawara E, Liebrand TWH, Pagliaccia D, Liping Z, Gurung FB, Wang P, Shi J, Wang Y, **Ancona V**, Van der Hoorn AL, Wang N, Coaker G, W Ma. 2018. An effector from Huanglongbing-associated pathogen targets citrus proteases. *Nat. Comm.* doi: 10.1038/s41467-018-04140-9
 26. Xu J, Zhang Y, Zhang P, Trivedi P, Riera N, Wang Y, Liu X, Fan G, Tang J-L, Coletta-Filho H, Cubero J, Deng X, **Ancona V**, Lu Z, Zhong B, Roper C, Capote N, Catara V, Pietersen G, Vernière C, Al-Sadi AM, Li L, Fan Y, Xu X, Wang J, Yang H, Jin T, and N Wang. 2018. The structure and function of the global citrus root-associated microbiome. *Nat. Comm.* 9(1):4894. doi: 10.1038/s41467-018-07343-2.
 27. Márquez-Pérez, F. J., Flores-Sánchez, J. L., Rodríguez Mejía, L., Márquez Gómez, J., Michereff, S. J., **Ancona, V.**, Robles-Bermúdez, A., Domínguez-Monge, S. 2018. Progress and spatial pattern of huanglongbing in Persian lime in Nayarit, Mexico. *Revista Bio Ciencias* 5(2), e351. doi:10.15741/revbio.05.02.01
 28. Lee JH, **Ancona V**, Zhao Y. 2018. Lon protease modulates virulence traits in *Erwinia amylovora* by directly monitoring major regulators and indirectly through the Rcs and Gac-Csr regulatory systems. *Mol Plant Pathol.* doi:10.1111/mpp.12566
 29. Pagliaccia D, Shi J, Pang Z, Hawara E, Clark K, Thapa SP, Francesco AD, Liu J, Tran T-T, Bodaghi S, , Folimonova SY, **Ancona V**, Mulchandani A, Coaker G, Wang N, Vidalakis G, Ma W. 2017. A Pathogen Secreted Protein as a Detection Marker for Citrus Huanglongbing. *Front. Microbiol.* 8:2041 doi: 10.3389/fmicb.2017.02041
 30. **Ancona V**, Lee JH, Zhao Y. 2016. The RNA-binding protein CsrA plays a central role in positively regulating virulence factors in *Erwinia amylovora*. *Scientific Reports* 6: 37195 (doi: 10.1039/srep37195)
 31. Wang N, Jin T, Trivedi P, Setubal JC, Tang J, Machado MA, Triplett E, Coletta-Filho HD, Cubero J, Deng X, Wang X, Zhou C, **Ancona V**, et al. 2015. Announcement of the International Citrus Microbiome Consortium. *J. Cit Pathol.* iocv_journalcitruspathology_27940.
 32. **Ancona V**, Lee JH, Chatnaparat T, Oh J, Hong JI, Zhao Y. 2015. The bacterial alarmone (p)ppGpp activates type III secretion system in *Erwinia amylovora*. *J Bacteriol.* 197(8): 1433-1443
 33. **Ancona V**, Chatnaparat T, Zhao Y. 2015. Conserved aspartate and lysine residues of RcsB are required for amylovoran biosynthesis, virulence, and DNA binding in *Erwinia amylovora*. *Mol Genet Genomics.* DOI 10.1007/s00438-015-0988-8
 34. **Ancona V**, Zhao Y. 2014. The GrrSA-Csr global regulatory system plays a critical role in in *Erwinia amylovora* virulence. *Acta Horti* 1056. 207-212.

35. Zhao, Y, **Ancona V**, Li W, Lee JH. 2014. An alternative sigma factor cascade regulates expression of type III secretion system in *Erwinia amylovora*. *Acta Hort* 1056. 155-160.
36. Li W, **Ancona V**, Zhao Y. 2014. Co-regulation of polysaccharide production, motility, and expression of type III secretion genes by EnvZ/OmpR and GrrS/GrrA systems in *Erwinia amylovora*. *Mol Genet Genomics*. 289(1):63-75.
37. **Ancona V**, Li W, Zhao Y. 2014. Alternative sigma factor RpoN and its modulator protein YhbH are indispensable for *Erwinia amylovora* virulence. *Mol. Plant Pathol*. 15(1):58-66.
38. **Ancona V**, Appel DN, de Figueiredo P. 2010. *Xylella fastidiosa*: a model for analyzing agricultural biosecurity. *Biosecur Bioterror*. 8(2):171-182.
39. Qin QM, Pei J, **Ancona V**, Shaw BD, Ficht TA, de Figueiredo P. 2008. RNAi screen of endoplasmic reticulum-associated host factors reveals a role for IRE1alpha in supporting *Brucella* replication. *PLoS Pathog*. 25;4(7):e1000110.

Book Chapters:

1. **Ancona V**, Zhao Y. 2015. Microbe-Associated Molecular Patterns, Chapter 3. In N. Wang, J.B. Jones, G.W. Sundin, F.F. White, S.A. Hogenhout, C. Roper, L. De La Fuente, J.H. Ham (Eds.), *Virulence Mechanisms of Plant-Pathogenic Bacteria* (pp. 35-52). St. Paul, MN: APS Press.

Non-refereed publications

1. **Ancona V**. 2021. Safer, Less Expensive Biological Control May Be Right Under Our Feet. *AgMag* March/April. 8-9 Pp.
2. Laughlin D., and **V. Ancona**. 2021. Recovery of Valley Citrus trees after the February Freeze. *AgMag* May/June. 6-7 Pp.
3. Laughlin, D., **Ancona V.**, Setamou M. 2021. Summary of Historically Important Freezes in the Rio Grande Valley, the Effects of Different Factors on Freeze Protection and Best Practices. Fact Sheet TAMUK-CC-Path3
4. Laughlin D., J. Solorzano, J. Enciso and **V. Ancona**. 2020. Rapid Orchard Decline Associated with Root Rot and Excessive Rainfall. *Citrus Center Highlights*. 4rd edition.
5. Laughlin D. and **V. Ancona**. 2019. Slow decline of citrus: Nematode control. *Citrus Center Highlights*. 3rd edition. Pp.
6. Mandadi K, **Ancona V**, Futch S, Grafton-Cardwell E, Lemaux G, Stelinski L, Rivera M, Garcia-Figuera S. 2019. Hairy root matrix used to culture C.Las to rapidly screen antimicrobials for improved HLB management. *Science for Citrus Health*. May 20, 2019. Retrieved from: <http://ucanr.edu/sites/scienceforcitrushealth>
7. **Ancona V**. *Phytophthora* foot rot. 2018. *Citrus Center Highlights*. 2nd edition.
8. Franco J, Thapa S, Pagliaccia D, **Ancona V**, Ma W, G Coaker. 2017. The citrus response to 'Candidatus Liberibacter asiaticus' infection. *Citrograph* Vol. 8, No. 2. Spring 2017
9. **Ancona V**. Current Research: Pathology lab. 2017. *Citrus Center Highlights*. 1st edition pp 18-19.

1st Author Presentations:

1. **Ancona V.**, Yang, C., Mandadi, K. Field Evaluation of Novel Small Molecules for Mitigation of Citrus Huanglongbing in Texas. International Congress of Plant Pathogenic Bacteria & Biocontrol. Virginia Tech, Blacksburg, VA. July 7-12, 2024.

2. **Ancona, V.**, Yang, C., Mandadi, K. Field Evaluation of Small Molecules for Citrus Huanglongbing Management in Texas. International Research Conference on Huanglongbing. Riverside, CA. March 26-29, 2024
3. **Ancona V.**, Yang, C., Mandadi, K. Field Evaluation of Small Molecules for Management of Citrus Huanglongbing in Texas. American Phytopathological Society Caribbean Division Meeting. Merida, MX. April 15-17, 2024
4. **Ancona, V.** Garza, S., Yang, C., Calderon, M., Schuster, G. 2023. Plant Pathogen Threats in Irrigation Water from the Rio Grande River. Subtropical Agriculture and Environments Society Annual meeting. South Padre Island, TX. February 9, 2023
5. **Ancona, V.**, Gurung, F. 2022. Naturally occurring oxytetracycline resistant bacterial populations in citrus. Plant Health Conference 2022. Phytopathology 112:S3.1. <https://doi.org/10.1094/PHYTO-112-11-S3.1>
6. **Ancona V.** Writing courses as a tool to increase graduate student engagement and success. Invited Speaker, High Impact Practices in Higher Education. Texas A&M University-Kingsville. March 25, 2022
7. **Ancona V.** Reduction of beneficial citrus root-microbe association in response to disease pressure. Biology Department, seminar series. University of Texas, Rio Grande Valley. November 19, 2020.
8. **Ancona, V.**, C. Yang. 2020. Evaluation of antimicrobial compounds against *Candidatus Liberibacter asiaticus* using propidium monoazide and quantitative PCR. Plant Health 2020 Online. Apsnet.confex.com
9. **Ancona V.** Citrus greening: therapy evaluations in Texas. Texas Citrus Mutual. May 22, 2019
10. **Ancona V.** Characterization of native *Trichoderma* isolates from Texas citrus orchards. Subtropical Agriculture and Environments Society Annual meeting. February 8, 2019
11. **Ancona V.** Texas Citrus: Opportunity for Research. South Texas College, STEM Summit. October 5, 2018.
12. **Ancona V.** Challenges and opportunities of the Texas Citrus Industry in the HLB era. Department of Plant Pathology and Microbiology, seminar series. Texas A&M University-College Station. October 3, 2018.
13. **Ancona V.** Phytophthora: The slow killer of Texas citrus. Texas Citrus Mutual Mid-Year Meeting. May 9, 2018
14. **Ancona V.** Soilborne diseases of citrus. Citrus Irrigation Techniques to save water and improve grower returns. Water Development Board, Lone Star Citrus Growers, Mission TX, May 9, 2017
15. **Ancona V.** Characterization of citrus-microbe interactions in the presence of chronic disease. International Conference of the Genetics Society of Korea, Jeju Island. November 11, 2016
16. **Ancona V.** Nematode Diseases of Citrus. Texas Citrus Mutual Mid-Year Meeting. May 27th, 2015
17. **Ancona V.** Nematode problems on citrus production. Crop Production services Meeting. January 15th, 2015.

Presentations and Abstracts (*senior author):

1. Yang, C., Pasupuleti, L., Mandadi, K., **Ancona, V***. Deciphering Microbiome of

Huanglongbing-affected Citrus Trees Applied by Oxytetracycline in South Texas. International Congress of Plant Pathogenic Bacteria & Biocontrol. Virginia Tech, Blacksburg, VA. July 7-12, 2024.

2. Yang, C., Pasupuleti, L., Mandadi, K., Ancona, V*. Assessing the Effect of Propidium Monoazide on Sequencing the Viable Endophytic Microbiome in Huanglongbing-affected Citrus. International Research Conference on Huanglongbing. Riverside, CA. March 26-29, 2024
3. Pasupuleti, L., Yang, C., Ibanez, F., Ancona, V*. 2023. The effect of citrus flush stage in the distribution of trunk-injected oxytetracycline for HLB Management. American Phytopathological Society Caribbean Division Meeting. South Padre Island, TX. February 9-10, 2023.
4. Kotte, V.R., Ancona, V., Laughlin, D. 2023. Characterization of the Bot gummosis pathogen *Lasiodiplodia iranensis* isolated from Texas citrus. American Phytopathological Society Caribbean Division Meeting. South Padre Island, TX. February 9-10, 2023.
5. Laughlin, D., Kotte, V.K., Godwin, S., Ancona, V. 2023. Identification of Botryosphaeriaceae species causing twig blight and gummosis in sweet orange trees in South Texas. American Phytopathological Society Caribbean Division Meeting. South Padre Island, TX. February 9-10, 2023.
6. Mandadi, K.K., Ramasamy, M., Padilla, C., Irigoyen, S., Ibanez, F., **Ancona, V.**, Albrecht, U., Dawson, W.O., El-Mohtar, C.A., Ireby, M. 2023. Discovery and evaluation of new antimicrobials for citrus greening disease management. American Phytopathological Society Caribbean Division Meeting. South Padre Island, TX. February 9-10, 2023.
7. Mora, V., Ramasamy, M., Irigoyen, S., **Ancona, V.**, Avila, C., Vales, M.I., Ibanez, F., Mandadi, K. K. 2023. Identification of potato zebra chip disease resistance among wild *Solanum* species. American Phytopathological Society Caribbean Division Meeting. South Padre Island, TX. February 9-10, 2023.
8. Yang, C., Ancona V. 2023. Implementation of Propidium Monoazide-qPCR for Assessing Antibiotic Effectiveness against *Candidatus Liberibacter asiaticus* in Citrus. Subtropical Agriculture and Environments Society. Annual meeting. February 9, 2023.
9. Kotte, V., Laughlin, D., Ancona, V. Characterization of Dieback Caused by *Lasiodiplodia iraniensis* in *Citrus* spp 2022 Binational Symposium of Young Scientists. TAMUK Citrus Center & Centro de Biotecnología Genómica IPN. December 9, 2022
10. Pasupuleti, L.A., Yang, C., Ibanez-Carrasco, F., & Ancona V. (2022). Assessing the effect of trunk-injected oxytetracycline on *Candidatus Liberibacter asiaticus* titers in flushing and non-flushing citrus branches. 2nd Congress of the International Society for Citrus Huanglongbing and Phloem-colonizing Bacterial Pathosystems. October 25-28, 2022. Clearwater Beach, FL
11. Yang, C., & Ancona V. (2022). Developing a Rapid Viability Propidium Monoazide-PCR Method for Assessing Treatment Effectiveness against *Candidatus Liberibacter asiaticus* in Citrus. 2nd Congress of the International Society for Citrus Huanglongbing and Phloem-colonizing Bacterial Pathosystems. October 25-28, 2022. Clearwater Beach, FL
12. Garza, S., Schuster, G.L., Ancona V. 2022. Monitoring plant pathogens in water from the Rio Grande River used for irrigation. (Abstr.) *Phytopathology* 112:S3.1. <https://doi.org/10.1094/PHYTO-112-11-S3.1>

13. Garza, S. **Ancona V.** 2022. Monitoring Plant Pathogens in Irrigation Water (RGV). CREST-SWU Research Communication Workshop. January 28, 2022.
14. Garza, S., Ancona, V. 2021. Monitoreo de fitopatógenos en agua del Rio Bravo utilizada para riego. Simposio Virtual Internacional de Estudiantes “Soluciones Tecnológicas para Incrementar la Producción Agrícola”. August 27, 2021.
15. Calderon, M., & **Ancona V.** Identification of Fungal Plant Pathogens in Irrigation Water in the Lower Rio Grande Valley of Texas. CREST Student symposium. August 9, 2021.
16. Mendez, R., Laughlin, D., **Ancona V.** 2021. Visualization of *Phytophthora nicotianae* Colonization of Sour Orange Roots. Subtrop Ag Environ J. Vol. 71
17. Yang C., V. Ancona. 2020. Deciphering the microbiome of Phytophthora foot rot infected citrus trees in Texas. Plant Health 2020 Online. Apsnet.confex.com
18. Puente C., Laughlin D., Simpson C., **Ancona V.** 2020. Evaluation of Thermoherapy on HLB-affected citrus trees in Texas. Subtrop Ag Environ J. Vol. 70.
19. Solorzano, J., Enciso, J., Laredo, A., Zapata, S., **Ancona V.** 2020. Unmanned Aerial System (UAS) framework to Assess Citrus Orchards replanting. Subtrop Ag Environ J. Vol. 70.
20. Gurung FB, Coaker G, Ma W, **V Ancona.** 2019. Expression profiles of Candidatus Liberibacter asiaticus effectors and their citrus targets. J. Cit Pathol.6(1):242 Retrieved from: https://escholarship.org/uc/iocv_journalcitruspathology/6/1
21. Laughlin D, Solorzano J, Simpson C, **V Ancona.** 2019. Effect of Las titers on tree health, root health and soilborne citrus pathogens. J. Cit Pathol. 6 (1):151 Retrieved from: https://escholarship.org/uc/iocv_journalcitruspathology/6/1
22. Yang C, Zhang M, Duan Y, **Ancona V,** CA Powell. 2019. Deciphering the bacterial microbiome of HLB-affected citrus roots treated with sulfonamide antibiotics. J. Cit Pathol. 6(1):238. Retrieved from: https://escholarship.org/uc/iocv_journalcitruspathology/6/1
23. Yang C, Zhang M, Duan Y, **Ancona V,** CA Powell. 2019. Transcriptome profiles of HLB-affected citrus roots in response to sulfonamide antibiotics. J. Cit Pathol. 6(1):255. Retrieved from: https://escholarship.org/uc/iocv_journalcitruspathology/6/1
24. Clark K, Franco J, Schwizer S, Pang Z, Hawara E, **Ancona V,** Wang N, Coaker G, Ma W. 2019. Using effectors of CLas as molecular probes to understand HLB pathogenesis. J. Citrus Pathol. 6(1):257-258 Retrieved from: https://escholarship.org/uc/iocv_journalcitruspathology/6/1
25. Thapa S.P., Wang N., **Ancona V.,** Ma W., Coaker G. 2019. Genomic and phylogenetic analyses of Candidatus Liberibacter asiaticus. . J. Cit Pathol. 6(1):62 Retrieved from: https://escholarship.org/uc/iocv_journalcitruspathology/6/1
26. Duan, Y., Lin H., Zhang M., Powel C.A., **Ancona V.,** Gurung F.B., Giulianotti M., Bai J, Futch SH., Gaun Z. 2019. Identification, assessment and delivery of antimicrobial compounds for the management of citrus HLB. J. Cit Pathol. 6(1):170 Retrieved from: https://escholarship.org/uc/iocv_journalcitruspathology/6/1
27. Mandadi K., Irigoyen, S., Fernando S., Thapa S., **Ancona V.,** Coaker G., Thapa SP., Grafton-Cardwell E., Dawson W.O., El-Mohthar C., Futch S., Irely M. 2019. Molecular modeling and high throughput antimicrobial screening approaches to identify novel CLas inhibitors. J. Citrus Pathol. 6(1):226 Retrieved from: https://escholarship.org/uc/iocv_journalcitruspathology/6/1
28. Gurung M, Simpson C, **V Ancona.** 2018. Field evaluations of *Trichoderma asperellum* as biocontrol agent against *Phytophthora* foot and root rot in Citrus. *HortScience*. Vol.

53(9):S243

29. Garza BN, **Ancona V**, Enciso J, Perotto H, C Simpson. 2018. Quantifying Citrus Tree Health & Disease Progression Using True Color UAS Images. *HortScience*. Vol. 53(9):S245
30. **Ancona V**, S Chaudhary. 2018. Molecular and morphological characterization of *Phytophthora nicotianae* isolates from citrus roots in Texas. Oomycete Molecular Genetics Network. Annual Meeting, Tai'an China, April 9, 2018.
31. Barbola C, Gurung M, Hernandez JL, **V Ancona**. 2018. *Trichoderma* spp. suppress growth and sporulation of *Phytophthora nicotianae* in vitro. *Subtrop Ag Environ J*. Vol. 69
32. Solorzano J, Driver T, **V. Ancona**. 2018. Evaluation of Orondis for the control of *Phytophthora* propagules in Citrus orchards. *Subtrop Ag Environ J*. Vol. 69
33. Gurung FB, **Ancona V**, Choppakatla VK, M Campos. 2018. Efficacy of Oxiphos, Sanidate 12.0, TerraClean 5.0 and TerraGrow for control of *Phytophthora* root rot of citrus seedlings under greenhouse conditions. *Subtrop Ag Environ J*. Vol. 69
34. Ramírez-Delgado E, Frías-Treviño GA, García Osuna HT, Hernández-Mendoza JL, **V Ancona**. 2018. In vitro evaluation of *Capsicum annum* L. varieties for their usefulness in the investigation of chili-pathogen interactions. *Subtrop Ag Environ J*. Vol. 69
35. Gurung M, Gurung F, Simpson C, Hernandez JL, **Ancona V**. 2017. Evaluation of the antagonistic activity of native *Trichoderma* isolates from Texas citrus orchards against *Phytophthora nicotianae*. *Phytopathology* 107:S5.1. <https://doi.org/10.1094/PHYTO-107-12-S5.1>
36. Chaudhary S, **Ancona V**, Barbola C. 2017. Identification and characterization of *Phytophthora* isolates from citrus orchards of South Texas. *Phytopathology* 107:S5.1. <https://doi.org/10.1094/PHYTO-107-12-S5.1>
37. DaGraca J, Kunta M, Setamou M, **Ancona V**, Louzada ES, Alabi OJ, Bartels DW, Dale J. 2017. Huanglongbing in Texas 2012-2017 – an update. *J Cit Pathol*. iocv_journalcitruspathology_34714
38. Franco J, Liebrand T, **Ancona V**, Coaker G. 2017. Investigating the role of secreted proteases during HLB progression. *J. Cit Pathol*. iocv_journalcitruspathology_34714
39. Franco J, Thapa S, **Ancona V**, Wang N, Ma W, Coaker G. 2017. Genomic and proteomic investigation of the interaction between citrus and *Candidatus Liberibacter asiaticus*. *J Cit Pathol*. iocv_journalcitruspathology_34714
40. Thapa S, Ma W, Wang N, **Ancona V**, Coaker G. 2017. Genome sequence and genetic diversity of the Huanglongbing pathogen *Candidatus Liberibacter asiaticus*. *J Cit Pathol*. iocv_journalcitruspathology_34714
41. Uribe-Bueno, M., Garcia, C., **Ancona, V.**, Hernandez, J.L. 2016 Bioinformatic analysis of *Trichoderma* genes involved in the tryptophan-independent indole acetic acid biosynthesis pathway. *Subtrop Ag Environ J*. Vol. 67.
42. Duberney P.R., Setamou, M., Hernandez J.L., **Ancona, V**. 2016. Evaluation of soil adjuvant OR-079 with Metalaxyl for *Phytophthora* root rot control in citrus. *Subtrop Ag Environ J*. Vol. 67.
43. Perea B.O., Nelson S.D., Alabi O.J., **Ancona V**. 2016. Effects of Irrigation Method and Application Schedule in Mefenoxam Control of *Phytophthora* Propagules in Texas Citrus Groves. *Subtrop Ag Environ J*. Vol. 67.
44. Olivares A.L., Hernández-Mendoza J.L., Nelson, S. D., **Ancona, V**. Isolation of Bacterial Communities from Citrus Roots infected with *Phytophthora nicotianae*. *Subtrop Ag Environ J*. Vol. 67.

45. Olivares, A., J. Hernandez-Mendoza, S. Nelson, **V. Ancona**. Isolation of endophytic bacteria associated with roots from citrus infected with *Phytophthora nicotianae*. *Phytopathol.* Vol. 106.
46. Duberney, P., J. Hernandez, **V. Ancona**. Evaluation of soil conditioner OR079 for the optimization of metalaxyl in control of *Phytophthora nicotianae* in Texas citrus orchards. *Phytopathol.* Vol. 106
47. Chaudhary, S., M. Setamou, O. J. Alabi, J. da Graca, M. Kunta, **V. Ancona**. Incidence and severity of *Phytophthora* disease and assessment of inoculum levels in Texas citrus orchards. *Phytopathol.* Vol. 106
48. Chaudhary S., Setamou M, Alabi O, Jiffon J, Kunta M, Crosby K, DaGraca J, **Ancona V**. 2015. *Phytophthora nicotianae* and Huanglongbing cause nutritional imbalances in grapefruit trees. *Phytopathol.* 105:11S, S4.1-S4.27
49. Perea BO., Nelson SD., Alabi OJ., **Ancona V**. 2015. Inoculum sources of *Phytophthora nicotianae*. *HortScience.* Vol. 50 (9): S304
50. Olivares AL., Simpson C.R., Kusakabe A., Setamou M., Nelson S.D., **Ancona V**. 2015. The effects of citrus planting design on soil properties and *Phytophthora nicotianae* propagule counts in flood irrigated soil. *HortScience.* Vol. 50 (9): S303.
51. Chaudhary S., Setamou M., Alabi O., Jiffon J., Kunta M., **Ancona V.**, Crosby K., DaGraca J. 2015. Synergistic impact of *Phytophthora nicotianae* and Huanglongbing in grapefruit groves under field conditions in South Texas. *Subtrop Ag Envirion J.* Vol. 66.
52. Chatnaparat T, **Ancona V**, Zhao Y. 2014 The bacterial alarmone ppGpp serves as a global signal to regulate type III secretion system and other virulence factors in plant pathogenic bacteria. *Phytopathol.* Vol. 104:S3.24
53. Lee J H, **Ancona V**, Zhao Y. 2014 Integration host factors are required for sigma 54-dependent *hrpL* gene expression and virulence in *Erwinia amylovora*. *Phytopathol.* Vol. 104:S3.67
54. **Ancona V**, Zhao Y. 2013. CsrA is a positive regulator of virulence factors in *Erwinia amylovora*. *Phytopathol.* Vol. 103:S2.6
55. **Ancona V**, Zhao Y. 2013. The GrrSA-Csr global regulatory system plays a critical role in *Erwinia amylovora* virulence. XIII International Workshop on Fire Blight. 1056: 207-212
56. Zhao Y, **Ancona V**, Lee JH. 2013. An alternative sigma factor cascade regulates expression of type III secretion system in *Erwinia amylovora*. XIII International Workshop on Fire Blight. 1056:155-160.
57. **Ancona V**, Wang D, Zhao Y. 2012. Dynamics and environmental regulation of virulence gene expression in *Erwinia amylovora*. *Phytopathol.* Vol. 102:S4.5
58. Li W, **Ancona V**, Zhao Y. 2012. The role of sigma factors in regulating virulence gene expression in *Erwinia amylovora*. *Phytopathol.* Vol. 102:S4.70
59. **Ancona V**, Appel DN, De Figueiredo P. 2010. Regulatory role of c-di-GMP biosynthesis genes of *Xylella fastidiosa*'s virulence factors. *Phytopathol.* Vol. 100:S7
60. **Ancona V**, De Figueiredo P. 2009. Regulation of c-di-GMP intracellular levels in *X. fastidiosa*. *Phytopathol.* Vol. 99:S4
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62. **Ancona V**, Nelson SD, Anaya M, Louzada ES. 2005. Isolation and Expression Analysis of Cold Responsive Genes from *Poncirus trifoliata*. In *Proceedings of the American Society of*

Plant Biology. Seattle, WA.

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64. **Ancona-Contreras V**, Gutiérrez Mauleón H, Alvarado Gómez OG, Valdés Lozano CGS. 2001. RT-PCR standardization for PVY detection in potato and its application to quantify virus incidence in national and international seeds. CIA-FAUANL. *Avances de Investigación 2001*. P. 93-95. Marin, NL, Mexico.
65. Montes Cavazos F, **Ancona-Contreras V**. 2001. Cultural Practices to manage virus incidence in field plots of *Cucurbita pepo* L. Var. Zucchini Gray. CIA-FAUANL. *Avances de Investigación 2001*. P. 29-30. Marin, NL, Mexico.

TEACHING

Department of Agriculture, Agribusiness and Environmental Science. Texas A&M University-Kingsville

Undergraduate Courses:

- PLSS4328- Introduction to Plant Pathology *Fall'15 & Fall'17*
- PLSS4326- Fruit Crop Production. *Fall'16 & Fall'18*
- PLSS4390-Global Fresh Produce Market – *Spring'23, Spring'24, Spring'25*

Graduate Courses:

- PLSS5353- Advanced Plant Pathology. *Spring'15, Fall'17, Fall'19, Fall'21, Fall'23*
- PLSS5390-Host Plant Resistance. *Spring'22, Fall'24*
- PLSS5390-Sustainable Agroecosystems. *Spring'25*
- PLSS6346-Citrus and Subtropical Fruit Crops. *Spring'17, Fall'18*
- PLSS5390-Scientific Writing. *Spring'20, Spring 21, Fall'22*

Chair/co-Chair of Graduate Student Committees:

Texas A&M University-Kingsville. MSc in Plant and Soil Science:

- Chair of Seth Kuby, May 2025
- Co-chair of Sarah Godwin, August 2024
- Chair of Tejesh Chowdary Kolla, May 2024
- Co-chair of Venkatramana Kotte, May 2023
- Chair of Lakshmi Pasupuleti, May 2023
- Chair of Sabrina Garza, December 2022
- Chair of Raelene Mendez, May 2022
- Chair of Miriam Calderon, August 2021
- Chair of Victoria Mora, May 2021
- Chair of Cynthia Puente, August 2020
- Chair of Meena Gurung, August 2018
- Chair of Perla Duberney, August 2017
- Chair of Ana Olivares, May 2017
- Chair of Benjamin O. Perea, May 2016

- Chair of Siddhi Jadhav, May 2016

Texas A&M University, PhD in Horticulture

- Chair of Research of Shima Chaudhary, Texas A& M University, December 2018

Member of Graduate Student Committees:

Texas A&M University-Kingsville. MSc in Plant and Soil Science:

- Olivia Garcia, August 2025
- Mayra Rangel, August 2024
- Hemanth Reddy Karakala, May 2024
- Leslie Dominguez, May 2022
- Miranda de la Garza, December 2021
- Srinadh Kodali, December 2020
- George Thomas III, August 2019
- Erika Ramos, May 2019
- Blanca Garza, May 2019
- Emma Perez, August 2019
- Mathew Rodriguez, December 2018
- Pallavi Vedasharan, August 2016
- Sri Lakshmi Telagamsetty, May 2016

International Committees:

- Member of Mariana Uribe Bueno, Instituto Politecnico Nacional-Reynosa, MX, Master's in Biotechnology, January 2017

Undergraduate students:

- Sean Booth (Summer 2024). Project: Species identification of *Lasiodiplodia* spp. isolated from citrus zone of the Rio Grande Valley.
- Raelene Mendez (summer 2017). Project: Identification of citrus endophytic bacteria by PCR and sequencing analysis.
- Christopher J, Barbola (summer 2016). Project: Evaluation of control methods for citrus greasy spot
- Ramiro Diaz (spring and summer 2015). Project: Finding an Interaction between *Tylenchulus semipenetrans* and *Phytophthora nicotianae* in Citrus Infected Plants.
- Perla Vargas (spring and summer 2015). Project: Evaluation of Biological Control Agents against *Phytophthora nicotianae*.

PROFESSIONAL DEVELOPMENT

- Certificate in Effective Teaching Practice Framework. The Association of College and University Educators (ACUE). Spring 2025. Earned badges: Creating an Inclusive and Supportive Learning Environment (7 modules), Promoting Active Learning (6 modules), Inspiring Inquiry and Preparing Lifelong Learners (6 modules), Designing Learner-Centered and Equitable Courses (6 modules).

- Blackboard Collaborate Training. TAMUK-Distance Learning & Instructional Technology (January 23, 2017, renewed Fall 2024)
- Grant Development Workshop. Grant Training Center, Austin TX (June 7-9, 2017)
- Certification in Distance Education. From Texas A&M University-Kingsville Center for Teaching Effectiveness and Distance Learning & Instructional Technology. Summer 2016 (30h).
- South Texas Student Success Conference: Writing for Learning for Hispanic Serving Institutions. Center for Teaching Effectiveness, Texas A&M University-Kingsville, 2015
- Faculty Workshop Series: Best Practices for Teaching, Center for Innovation in Teaching & Learning, University of Illinois 2014
- Developing Critical Thinking Workshop, Center for Teaching Excellence, Texas A&M University, 2010
- Writing Syllabi that Engage and Motivate Students Workshop, Center for Teaching Excellence, Texas A&M University, 2010
- Teaching Large Classes Workshop, Center for Teaching Excellence, Texas A&M University, 2010
- Fellow Certificate, Graduate Teaching Academy, Texas A&M University, 2008

UNIVERSITY SERVICE

- Chair of AAES – Graduate Curriculum Review – 2024-2025
- Chair of AAES – PhD Program Development – 2024-2025
- P&T AgNR College Committee – 2024
- Chair of Faculty Search Committee- Entomology Position Citrus Center – 2023
- Member of Faculty Search Committee – Horticulture Position Citrus Center – 2023
- Member of Faculty Search Committee- Breeding/Horticulture Position Citrus Center – 2022
- Chair of Faculty Search Committee- Plant Physiology, Citrus Center, 2021
- Member of Faculty Search Committee- Plant Physiology, Citrus Center, 2020
- P&T AgNR College Committee- 2023
- P&T AAES Department committee - 2023
- P&T AgNR College Continuation committee- 2022
- Chair of P&T committee for the AAES Department- 2020
- Member of the Texas A&M University-Kingsville Institutional Biosafety Committee (IBC), 2017 – present
- Member of the Presidential Search advisory committee, Texas A&M University-Kingsville, Summer-Fall 2018.
- College Representative in the Academic Technology Advisory Committee, 2016-2018
- Member of the Off-campus Academic Technology Task-force 2017
- Member of the Plant and Soil Science Graduate Curriculum development, 2017
- Graduate Teaching Academy, Group Leader, Texas A&M University, 2010 - 2011
- Plant Pathology and Microbiology Seminar Committee Member, 2008 – 2009

PROFESSIONAL SOCIETY MEMBERSHIPS

- American Phytopathological Society
 - Member of the Bacteriology committee 2006- present
 - Member of the APS-Caribbean Division
- Subtropical Agriculture and Environments Society
 - Board member, 2016- present
 - Moderator and organizer of symposium entitled “Sustainable water use”, 2022-2023
 - President of the Society 2021 – 2022
 - Chair of the Poster committee 2016 to 2021

PROFESSIONAL SERVICE

- Organizer of special session in sustainable water use at the annual meeting of the Subtropical Agriculture and Environment Society 2023
- President of the Subtropical Agriculture and Environments Society 2021 – 2022
- Board Member of the Subtropical Agriculture and Environments Society, 2016 – present
- Member and Chair of the Poster committee for the Subtropical Agriculture and Environments Society, 2016 – 2021
- Member of Member of the Technical Advisory Committee for the Texas Pest and Disease Management Corporation, 2014-present
- Member of the Bacteriology committee from the American Phytopathological Society 2006-present
- Article Reviewer: *MPMI*, *Crop Protection*, *Horticulture Research*, *Plant Disease*, *Journal of Applied Microbiology*, *Current Microbiology*, *Frontiers in Plant Science*.