

SAMUEL J. MARTINS
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1431 Fifield Hall, 2550 Hull Rd, Gainesville, FL. 32611

EDUCATION

2012-2016 **Ph.D.** in Plant Pathology. Federal University of Lavras, Brazil
2010-2012 **M.S.** in Plant Pathology. Federal University of Lavras, Brazil
2006-2010 **B.S.** in Agronomy. Federal University of Lavras, Brazil

PROFESSIONAL APPOINTMENTS

2020 – present **Assistant Professor.** Depart. of Plant Pathology, University of Florida
2017 - 2020 **Postdoctoral Researcher.** Penn State University
2015 - 2017 **Assistant Professor.** Federal University of Goias, Brazil

PEER-REVIEWED MANUSCRIPTS (*correspondent author)

18. Fráguas RM, Costa VA, Terra WC, Aguiar AP, **Martins SJ**, Campos VP, Oliveira DF. Toxicities of 4,5-Dihydroisoxazoles against the Root-Knot Nematodes and in Silico Studies of their Mode of Actions. *Journal of Agricultural and Food Chemistry* doi.org/10.1021/acs.jafc.9b07839
17. Hamidzade M, Taghavi MS, **Martins SJ**, Herschlag RA, Hockett KL, Bull CT, Osdaghi E. Bacterial brown pit, a new disease of edible mushrooms caused by *Mycetocola* sp. *Plant Disease* doi.org/10.1094/PDIS-10-19-2176-RE
16. **Martins SJ**, Trexler RV, Vieira FR, Pecchia J, Kandel P, Hockett K, Bell TH, Bull CT. Comparing approaches for capturing bacterial assemblages associated with symptomatic (bacterial blotch) and asymptomatic mushroom (*Agaricus bisporus*) caps. *Phytobiomes*, 2019. doi.org/10.1094/PBIOMES-08-19-0044-R
15. Osdaghi E, **Martins SJ**, Ramos-Sepulveda L, Vieira FR, Pecchia JA, Beyer DM, Bell TH, Yang Y, Hockett KL, Bull CT. 100 Years since Tolaas: Bacterial Blotch of Mushrooms in the 21st Century. *Plant Disease*, 2019. doi.org/10.1094/PDIS-03-19-0589-FE
14. **Martins SJ**, Faria AF, Medeiros FHV, Pedroso MP, Cunha MG, Rocha MR. Rhizobacterial volatiles in the control of anthracnose in common bean. *Biological Control*, v.131, p.36-42, 2019. doi.org/10.1016/j.biocontrol.2019.01.003
13. Oliveira DF, Costa VA, Terra WC, Campos VP, Paula PM, **Martins SJ**. Impact of phenolic compounds on *Meloidogyne incognita* *in vitro* and in tomato plants. *Experimental Parasitology*, v.199, 17-23, 2019. doi.org/10.1016/j.exppara.2019.02.009
12. Laborde MCF, Botelho D, Rodríguez G, Resende MLV, Queiroz M, Batista A, Cardoso P, Pascholati S, Gusmão L, **Martins SJ**, Medeiros FHV. *Phialomyces macrosporus* reduces *Cercospora coffeicola* survival on symptomatic coffee leaves. *Coffee Science*, 14 (1), 1-11, 2019. doi.org/10.25186/cs.v14i1.1448
11. **Martins SJ***, Rocha GA, Georg RC, Uihôa CJ, Cunha MG, Rocha MR, Araújo LG, Vaz KS, Dianese EC, Oshiquiri LH, Dunlap CA. Plant-associated bacteria mitigate drought stress in soybean. *Environmental Science and Pollution Research*, 25(14), p.1-11 2018. doi.org/10.1007/s11356-018-1610-5
10. Martins SA, Schurt, DA, Seabra SS, **Martins SJ**, Ramalho MAP, Moreira FMS, da Silva JCP. da Silva JAG, Medeiros FHV. Common bean (*Phaseolus vulgaris* L.) growth promotion and biocontrol by rhizobacteria under *Rhizoctonia solani* suppressive and conducive soils. *Applied Soil Ecology*, v. 127, p.129-135,

2018. doi.org/10.1016/j.apsoil.2018.03.007
9. **Martins SJ**, Medeiros FHV, Lakshmanan V, Bais HP. Impact of seed exudates on growth and biofilm formation of *Bacillus amyloliquefaciens* ALB629 in common bean. *Frontiers in Microbiology*, v. 8, p. 1-9, 2018. doi.org/10.3389/fmicb.2017.02631
 8. Terra WC, Campos VP, **Martins SJ**, Costa LSAS, da Silva JCP, Barros AF, Lopez LE, Santos TCN, Smant G. Volatile organic molecules from *Fusarium oxysporum* 21 with nematocidal activity against *Meloidogyne incognita*. *Crop Protection*, v. 106, p. 125-131, 2018. doi.org/10.1016/j.cropro.2017.12.022
 7. **Martins SJ**, Medeiros FHV, Andrade RC, Nunez AMP, Souza B, Moino Junior A, Filgueiras CC. Dual role of milk on aphid and powdery mildew control in kale. *Scientia Horticulturae*, v. 203, 126-130, 2016. doi.org/10.1016/j.scienta.2016.03.023
 6. **Martins SJ**, Medeiros FHV, Souza RM, Faria AF, Cancellier EL, Silveira HRO, Rezende MLV, Guilherme LRG. Common bean growth and health promoted by rhizobacteria and the contribution of magnesium to the observed responses. *Applied Soil Ecology*, v. 87, p. 49-55, 2015. doi.org/10.1016/j.apsoil.2014.11.005
 5. **Martins SJ**, Soares AC, Medeiros FHV, Santos DBC, Pozza EA. Contribution of host and environmental factors to the hyperparasitism of coffee rust under field conditions. *Australasian Plant Pathology*, v. 44, p. 605-610, 2015. [doi.10.1007/s13313-015-0375-2](https://doi.org/10.1007/s13313-015-0375-2)
 4. **Martins SJ**, Medeiros FHV, Souza RM, Vilela LAF. Is curtobacterium wilt biocontrol temperature dependent? *Acta Scientiarum. Agronomy (Online)*, v. 36, p. 409, 2014. doi.org/10.4025/actasciagron.v36i4.18018
 3. Silva EO, **Martins SJ***, Alves E. Essential oils for the control of bacterial speck in tomato crop. *African Journal of Agricultural Research*, v. 9, p. 2624-2629, 2014. [doi:10.5897/ajar2014.8918](https://doi.org/10.5897/ajar2014.8918)
 2. **Martins SJ**, Medeiros FHV, Souza RM, Rezende MLV, Ribeiro Junior PM. Biological control of bacterial wilt of common bean by plant growth-promoting rhizobacteria. *Biological Control (Print)*, v.66, p. 65-71, 2013. doi.org/10.1016/j.biocontrol.2013.03.009
 1. Medeiros FHV, **Martins SJ**, Zucchi TD, Melo IS, Batista LR, Machado JC. Biological control of mycotoxins-producing molds. *Ciência & Agrotecnologia*, v.36, p. 483-497, 2012. doi.org/10.1590/S1413-70542012000500001

UNDER REVIEW

1. Garcia FHS, Daneluzzi GS, Mazzafera P, Almeida M, Nyheim ØS, Azevedo RA, Kirch JL, **Martins SJ**, Kluge RA. High *Leifsonia xyli* subsp. *xyli* titers reduces carbon and biomass partitioning to tillers, impairing sugarcane development.

IN PREPARATION (Senior/principal author(s) = Underline; Self = bold; Fellow = f; Graduate Student = g; Other = &; Post-Doctoral Associate/Fellow = p; Resident = r)

12. Poudel M (g), Mendes R, Soares LA, Pieterse CMJ, Bueno G, Meng Y, Svetlana FY, **Martins SJ**. Role of beneficial microbes in drought stress mitigation. Target journal: *Frontiers in Microbiology*
11. **Martins SJ** et al. The impact of drought plant microbial community in common bean (*Phaseolus vulgaris*). Target journal: *Phytobiomes*
10. **Martins SJ**, Bull CT, et al. Soil bacterivorous for plant and human health. Target journal: *Applied Soil Ecology*.

9. **Martins SJ**, Franceschi BT (&) et al. Assessing and extracting soil bacteria with extracellular contractile injection system (eCIS) to manage *Meloidogyne enterolobii* in tomato plants.
8. Coquerel MG et al. Impact of antibiotic spray on bacterial communities in conventional and organic citrus groves in Florida. Target journal: *Antibiotics*.
7. De Brum D et al. Study of the bacterial assemblies of egg masses in the pathosystem coffee x *Meloidogyne exigua*.
6. **Martins SJ** et al. Studying Collaborative Assessments in an In-Person Undergraduate level Class
5. **Martins SJ**, Ramos-Sepulveda L, Bull CT. Phylogenetic analysis of pathogenic *Pseudomonas* spp. isolated from mushrooms with blotch in farms from Pennsylvania. Target journal: *Systematic and Applied Microbiology*
4. Tymon LS, Bophela K, **Martins SJ**, Ramos-Sepúlveda L, Inglis DA, Continho T, Bull CT. Fruit warts and leafspots of cucurbits caused by diverse strains within *Pseudomonas syringae* pv. *aptata*. *Plant Disease*
3. **Martins SJ**, Loper J, Bull CT. Identification of virulence factors in pathogenic *Pseudomonas* spp. isolated from mushroom farms throughout Pennsylvania. Target journal: *Plant Disease*
2. Bull CT, **Martins SJ**, Coutinho T, Safni I, Foster MM. Translational taxonomy for bacterial plant pathogens and needs of diagnostic clinics. Target journal: *Food Security*
1. First Report of new *Pseudomonas* sp. Associated with Bacterial Leaf Blight on Spring Wheat (*Triticum aestivum*) in the South Brazil.

OTHER PUBLICATIONS (shown only those published in English)

7. Herschlag R, **Martins SJ**, Ramos-Sepulveda L, Bull C, Hockett K. Understanding the role of bacteriocins in mediating competition among *Pseudomonas* spp. that cause bacterial blotch of white button mushroom. Plant Health online, APS Annual Meeting, 2020.
6. Faria AF, Cruz-Magalhaes V, Guimarães RA, **Martins SM**, Medeiros FHV, Pedroso MP. Profile of volatile molecules produced by different *Bacillus* strains isolated from cocoa and sisal rhizosphere. In: XIX International Symposium on Plant Disease Management Plant Health in Tropical Agribusiness, 2019, Lavras, Brazil. Anais do XIX International Symposium on Plant Disease Management Plant Health in Tropical Agribusiness, 2019.
5. Tymon L, Bophela K, **Martins SJ**, Ramos-Sépulveda L, Inglis DA, Bull CT. Leaf lesions and fruit warts on pumpkin caused by *Pseudomonas syringae sensu stricto*. International Congress of Plant Pathology (ICPP), Boston, MA, 2018.
4. Bettwy KA, Mainello AM, **Martins SJ**, Bull CT. Even bacteria have a sensitive side: host range analysis of bacteriophage SURF against *Pectobacterium* and *Dickeya*. Gettysburg College-Penn State University Phage Research Symposium, Gettysburg, 2017.
3. Faria AF, **Martins SJ**, Medeiros FHV, Nascimento A, Martins SA. Contribution of *Curtobacterium flaccumfaciens* pv. *flaccumfaciens* inoculum pressure on bacterial wilt severity in common bean. In: 46° Congresso Brasileiro de Fitopatologia, 2013, Ouro Preto. Anais do 46° Congresso Brasileiro de Fitopatologia, 2013.
2. **Martins SJ**, Medeiros FHV, Souza RM. Is the curtobacterium wilt biocontrol temperature dependent? In: IOBC Reims, 2012, Reims. Biocontrol of plant pathogens in sustainable agriculture, 2012.

1. Ferro HM, Souza RM, Medeiros FHV, Neto HS, Zanotto E, **Martins SJ**. Control of ramulose in cotton by different forms of application of *Bacillus* spp. In: XLII Congresso Brasileiro de Fitopatologia, 2009, Rio de Janeiro. Tropical Plant Pathology Suplemento. Lavras: INDI Gráfica Editora Ltda, 2009. v. 34. p. 61-61.

TEACHING EXPERIENCE

- 2021-present **Assistant Professor**
- PLP 2000: Plant, Plagues and People, University of Florida, USA
 - IDS 2935: What Are Plants Talking About?, University of Florida, USA
 - TBD: Tropical Plant Pathology, University of Florida, USA
- Fall 2020 **Earned CALS Teacher's College Certificate**
- IFAS, University of Florida, USA
- Fall 2020 **Earned Great Teaching Certificate**
- Center for Teaching Excellence, University of Florida, USA
- Fall 2018 **Co-instructor**
- PPEM 300: Horticultural Crop Diseases (Online Course), Pennsylvania State University, USA.
 - My role as co-instructor was to communicate with the students enrolled in the class, correct the assignments as well as update the material online for next year. I was responsible for approximately 20% of the class and the Assistant Research Professor Nancy G. Wenner 80%.
- 2018 **Earned Graduate Online Teaching Certificate**
- OL 2050, Pennsylvania State University, USA
- 2015-2017 **Assistant Professor**
- ESA0156: General Plant Pathology, Federal University of Goias, Brazil
 - ESA0434: Integrated Disease Management, Federal University of Goias, Brazil
 - I was hired for a full-time 2-year position that was 100% teaching. I was responsible for both classes ESA0156 and ESA0434 and taught approximately 200 students in both lectures and lab classes, where I had the chance to create and execute innovative activities with the students.
- 2011-2012 **Co-Instructor**
- BIO1: Plant Biology (Pre-Uni), Federal University of Lavras, Brazil
 - My role as co-instructor for this class was to give a lecture twice a week about plant biology for low income high school students in Lavras city. I shared the biology course (50% each) with another biology instructor.

MENTORING EXPERIENCE

- Mentorship Training Workshops, Office of Postdoctoral Affairs, Penn State University (July-August, 2019)

Undergraduate and High School Students

- **Saima Kabir**, University of Florida, FL (Spring 2021)
- **Luke Haas**, University of Florida, FL (2020-present)
- **Anahi Anaya**, Biology, Pennsylvania State University, PA (2019-2020)
- **Laine Hackenberg**, Plant Science, Pennsylvania State University, PA (2019)

- **Claire Santa**, Environmental Science-Biology, Pennsylvania State University, PA (Summer 2019)
- **Belinda Mativenga**, Biological Engineer, Pennsylvania State University, PA (Spring 2019)
- **Chow Chooi**. Biotechnology, Pennsylvania State University, PA (2018)
Biopharm Manufacturing Associate at GSK, Maryland, USA
- **Kyle Bettwy**. Microbiology, Pennsylvania State University, PA (2017-2018)
- **Shannon Hicks**. Horticulture, Pennsylvania State University, PA (2017)
- **Karina Vaz**. Agronomy, Federal University of Goias, Brazil (2016)
- **Amanda de Faria**. Agronomy, Federal University of Lavras, Brazil (2013-2014)
Ph.D. student at the Federal University of Lavras (Plant Pathology Department)
- **Alexandre Soares**. Agronomy, Federal University of Lavras, Brazil (2013-2014)
- **Darlan Santos**. Agronomy, Federal University of Lavras, Brazil (2013-2014)
- **Thais Nascimento**. (High School), Federal University of Lavras, Brazil (2013)
Undergraduate student at the Federal University of Lavras (Major: Agronomy)
- **Érika da Silva**. Agronomy, Federal University of Lavras, Brazil (2012-2013)
Ph.D. student at the Sao Paulo State University (Crop Protection Department)

Master Students

- **Lindsay Boyd**, Plant Pathology, Pennsylvania State University, PA (2018-2020)

Ph.D. Students

- **Mousami Poudel**, Plant Pathology, University of Florida, FL (2021-present)

Research Technician

- **Beatriz Franceschi** University of Florida, FL (2021-present)
- **Alyssa Ward**, University of Florida, FL (2020-2021)
- **Rachel Herschlag**, Pennsylvania State University, PA (2019-2020)

ATTENDED PEDAGOGICAL TRAININGS

Workshops and seminars conducted by Center for Teaching Excellence (1200 miles earned)

- 2021 WISE Conference 2021: Global Wake Forest
- 2020 Collaborative Learning Techniques
- 2020 Using Zoom to make learning magic!
- 2020 Make it Global: Curriculum Internationalization
- 2020 Meeting Students Where They Are: Strategies for Connecting with Students Online
- 2020 The Multitasking Mirage
- 2020 Tips for Mentoring Online Right Now!
- 2020 Effective Mentoring of Graduate Students
- 2020 Building Mentoring Capacity
- 2020 Motivation I – Ideas to transform your lecture
- 2020 Climbing Bloom's Taxonomy with Google Suite
- 2020 Creating Global Classrooms through Virtual Exchange
- 2020 Using Digital Storytelling Tools for Engaging Remote Teaching
- 2020 Virtual Simulations in Large and/or Online Classes

Other workshops and seminars

- 2021 Global Learning Institute Workshop. International Center, University of Florida
- 2021 The Scholarship of Teaching and Learning (SoTL)
- 2021 CALS Teacher's College Certificate
- 2020 Course Mapping Camp – Center for Instructional Technology & Training, UF
- 2019 Skills for Effective Teaching in the U.S. - PSU, USA
- 2019 Motivating and Engaging Students - Penn State University (PSU), USA
- 2018 Ten Tips for Getting Started with Teaching - Penn State University (PSU), USA

- 2018 Getting Through the Stack: Grading Efficiently and Fairly - PSU, USA
- 2018 Teaching So All Your Students Feel Included - PSU, USA
- 2018 Handling Challenging Situations in the Classroom - PSU, USA
- 2018 Giving Effective Slide Presentations - PSU, USA
- 2018 Get Students to Focus on Learning Instead of Grades, PSU, USA
- 2018 Lecturing Can Be Active Learning: A New Evidence-based Approach to an Old Debate by Dr. Todd Zakrajsek - PSU, USA

ADDITIONAL TRAININGS

- 2019 Heartsaver First Aid CPR AED, American Heart Association, Penn State University
- 2019 Structure and Agility in your Project Plan by Dr. Rose Baker, Adjunct faculty, Labor Relations, Penn State University
- 2018 27th JGI Microbial Genomics and Metagenomics (MGM-27) Workshop (**40 h**), Walnut Creek, CA
- 2018 Analysis of Microbiome Community Data in R, ICPP2018, Boston, USA
- 2018 Bacterial Whole Genome Sequence Analyses and Comparative Genomics, Penn State University
- 2018 Introduction to R for Plant Pathologists, ICPP2018, Boston

Personal Development

- 2019 Being More Conscious of Your Unconscious Bias (Dr. Shakoor Ward, PSU)
- 2019 Diversity Training presented Global Programs, PSU, USA
- 2019 Interpersonal Communication, presented by Dorie Clark, Lynda.com
- 2018 Handling Crucial Conversations, presented by Dr. Carolee T. Bull, PSU
- 2018 How to Mentor Yourself, presented by Dr. Carolee T. Bull, PSU
- 2017 Jump Start Your Leadership, presented by John C. Maxwell, audio course

GRANTS & FELLOWSHIPS

TOTAL ≈ \$286,590

- 2021 UF Global Learning Institute Program. University of Florida International Center **\$5,000**
- 2020 CALS Instructional Improvement Grant **\$5,000**
Smith ME (PI), Richter BS (co-PI), **Martins SJ** (co-PI).
- 2021-2025 Teaching genomics for pathogen classification and predicting disease resistance **\$42,590**
- 2018-2019 Giorgi Mushroom Company, USA, Research Grant **\$15,432**
Project Title: Identification of virulence factors in pathogenic *Pseudomonas* spp. isolated from mushroom in farms throughout Pennsylvania.
- 2014-2015 Coordination for the Improvement of Higher Education Personnel (CAPES) (Exchange Doctoral Program Fellow) **\$24,000**
Enrolled for a year-long Ph.D. exchange program at the University of Delaware
Project Title: Impact of seed exudates on growth and biofilm formation of *Bacillus amyloliquefaciens* ALB629 in common bean.
- 2013-2016 National Council for Scientific and Technological Development (CNPq) **\$12,000**
Federal University of Lavras. Project Title: Evaluation of magnesium uptake in common bean inoculated with *Bacillus amyloliquefaciens* ALB629 and the relation with the bacterial wilt resistance and plant growth
- 2012-2016 Doctoral Fellow **\$73,238**
Federal University of Lavras. Project Title: Protection against biotic and abiotic stresses in common bean by rhizobacteria.

- 2010-2012 Master Fellow, Federal University of Lavras **\$38,922**
Thesis Title: Control of bacterial wilt of common bean by strains of endosporegenic bacteria
- 2007-2010 Scientific Initiation Scholarship, Federal University of Lavras **\$7,200**
Project Title: Detection of pathogenic bacteria in commercial seeds by bio-PCR.
- 2006-2010 Bachelor of Science Fellow, Federal University of Lavras **\$53,545**

GRANTS & FELLOWSHIPS SUBMITTED OR UNDER REVIEW

- 2021 Martins SJ (PI). Assessing and extracting soil bacteria to manage the emerging plant parasitic nematode *Meloidogyne enterolobii*. *Food Systems Institute Cross-disciplinary Research Seed Fund*. **\$30,000** (Under Review)
- 2021 Martins SJ (PI) Tropical Conservation & Development Program MS Assistantship for Beatriz Franceschi. Center for Latin American Studies, UF **\$34,000** (Not Selected)
- 2021 Pérez, Héctor, E. (PI); Martins SJ (co-PI); et al. Revealing the Unseen: Bringing Advanced 2D X-ray Imaging to Agricultural and Natural Resource Sciences at the University of Florida. Equipment Grants Program, NIFA, USDA. **\$166,920** (Internally selected to be submitted)
- 2020 Martins SJ (PI) Field and Fork Full MS Assistantship for Beatriz Franceschi. Influence of the macropredator *Tadarida brasiliensis* (Brazilian Free-Tailed Bat) guano on the natural soil micropredators and plant disease incidence (Not Selected)
- 2020 Martins SJ (PI) Field and Fork Full MS Assistantship for Alyssa Wards. Evaluating the relationship between soil suppressiveness and soil biofilm: An assessment of soil suppressiveness on plant health (Not Selected)

EXTENSION

- 2019 **Martins SJ**, Bull CT. Translational taxonomy for bacterial blotch management. *Mushroom News*, v. 67, n.10, p. 4-5, October.
- 2018 **Martins SJ**, Fautt C, Ramos-Sepulveda L, Hockett KL, Bull CT. Foundational research to optimize the isolation of biocontrol agents for the control of mushroom blotch caused by *Pseudomonas* spp. *Mushroom Short Course*. University Park, PA.
- 2012-2014 Minas Gerais State Agency for Research and Development (FAPEMIG) **\$14,800**
Federal University of Lavras. Project Title: Agroecological phytosanitary management for urban horticulture

AWARDS

TOTAL = \$1,150

- 2021 Rising Star Award. Center for Teaching Excellence, University of Florida, USA
- 2019 Phytobiomes poster award at the APS Plant Health meeting held in Cleveland, OH. Noble Research Institute **\$250**
- 2019 Travel Award for having an abstract selected to give a lightning talk at the Postdoc Research Exhibition. 12th Annual Postdoc Exhibition Planning Committee at Pennsylvania State University **\$100** (not used)
- 2019 Art in Phytopathology chosen as the "Humor" category winner: "Lemonphage as a biocontrol of *Watermelonmonas* sp." APS Annual Meeting, Cleveland, Ohio, USA **\$50**
- 2018 Laurence D. and Mary Ann Moore Faculty and Staff Award in Plant Pathology (Outstanding Postdoc). Department of Plant Pathology and Environmental Microbiology, Pennsylvania State University **\$500**
- 2017 Best Ph.D. dissertation defended in 2016 and nominated for CAPES Outstanding Dissertation award. Department of Plant Pathology, Federal University of Lavras, Brazil. Dissertation Title: Protection against biotic and abiotic stresses in common bean by rhizobacteria.

2012 Alltech's Young Scientist Award (Graduate Competition). Alltech Lexington, KY, USA. Article chosen among 100 others: Biological control of mycotoxins-producing molds **\$250**

ACADEMIC PRESENTATIONS

Invited Presentations (shown only those given in English)

- **Martins SJ.** The role of predatory bacteria on the control of pathogenic bacteria, APS Conference, Plant Health, August 2021.
- **Martins SJ.** The Use Microbes for Better Crops. The Hebrew University of Jerusalem, Israel, April, 2021.
- **Martins SJ,** Lee SK, Kasson MT. Plant Pathology and Environmental Microbiology Panel Discussion, Penn State University, University Park, February, 2021.
- **Martins SJ.** Tiny Microbials, Huge Potential: The Role of Beneficial Microbes on Crop Health. Plant Molecular and Cellular Biology Department. University of Florida, USA, November, 2020
- **Martins SJ (keynote speaker).** The use of beneficial microbes for crop health. Federal University of Technology – Paraná, Brazil, September, 2020
- **Martins SJ.** Know your enemy before you go to war: a story of bacterial blotch of mushroom. PSU Microbiome Center, University Park, 2019.
- Dual first authors: Vieira, **Martins SJ** (presenter) et al. Mycobiome management of *Agaricus bisporus* targeting green mold (*Trichoderma* spp.) and blotch (*Pseudomonas* spp.). NED-APS, University Park, 2019.
- **Martins SJ.** Looking for a microbial needle in a mushroom haystack: how can microbiome analysis be used to control blotch disease in mushroom, Office of Postdoctoral Affairs, Webster's Café - State College, 2019.
- **Martins SJ.** The use of beneficial microbes on crop production, PSU, University Park, 2018.
- **Martins SJ.** Beneficial microbes: the justice league of the plant universe. SACNAS, Salt Lake City, Utah, 2017.
- **Martins SJ.** Protection against biotic and abiotic stresses in legumes by rhizobacteria and abiotic stresses in legumes. Virginia Tech, Virginia Beach Campus, 2017.

Oral Conference Presentations (shown only those given in English)

- **Martins SJ,** Trexler R, Vieira F, Pecchia J, Kandel P, Hockett K, Bell T, Bull T. Comparing approaches for capturing bacterial assemblages associated with symptomatic and asymptomatic mushroom caps. APS, Cleveland, OH, 2019.
- **Martins SJ,** Medeiros FHV, Faria AF, Pedroso MP. Rhizobacterial volatiles in the control of anthracnose in common bean. Mid-Atlantic Section Spring Meeting, University of Delaware, Newark, DE, 2014.
- **Martins SJ,** Medeiros FHV, Souza RM. Effect of temperature on *Curtobacterium flaccumfaciens* pv. *flaccumfaciens* *in vitro* inhibition by *Bacillus subtilis* ALB629. 45th Brazilian Congress of Plant Pathology, Amazonia, Brazil, 2012.

Poster Conference Presentations (shown only those given in English)

- **Martins SJ,** Trexler RV, Vieira FR, Pecchia J, Kandel P, Hockett K, Bell TH, Bull CT. 2019. Comparing approaches for capturing bacterial assemblages associated with symptomatic (bacterial blotch) and asymptomatic mushroom (*Agaricus bisporus*) caps. Plant Health 2019, August 3-7, Cleveland, Ohio.
- **Martins SJ,** Trexler RV, Vieira RF, Pecchia J, Bell TH, Hockett KL, Bull CT. Phylogenetic analysis of *Pseudomonas* sequences obtained from mushroom caps (*Agaricus bisporus*) with blotch symptoms. 21st Biennial Penn State Plant Biology Symposium. University Park, PA, 2018.
- **Martins SJ,** Medeiros FHV, Lakshmanan V, Bais HP. A benign *Bacillus amyloliquefaciens* ALB629 promotes drought tolerance in common bean (*Phaseolus vulgaris*). University of Delaware's Microbial Systems Symposium, Newark, DE, 2015.

- **Martins SJ**, Medeiros FHV, Souza RM, Rezende MLV, Ribeiro Junior PM. Plant-growth promoting rhizobacteria attenuates *Curtobacterium flaccumfaciens* pv. *flaccumfaciens* defense suppression-like in common bean. APS Annual Meeting, Austin, Texas. 2013.
- **Martins SJ**, Andrade RC, Souza B, Medeiros FHV, Moino Junior A. Dual role of milk on aphid and powdery mildew control in cabbage under greenhouse conditions. **Ouro Preto, Brazil**, 2013.
- **Martins SJ**, Medeiros FHV, Souza RM. Effect of temperature on *Curtobacterium flaccumfaciens* pv. *flaccumfaciens* *in vitro* inhibition by *Bacillus amyloliquefaciens*. **Amazon, Brazil**, 2012.
- **Martins SJ**, Medeiros FHV, Souza RM. Colonization of bean plants and bacterial wilt control by a mutant line of an antagonist. **Bento Goncalves, Brazil**, 2011.
- **Martins SJ**, Souza RM, Medeiros FHV, Zacaroni AB, Villela LS. Biological control of bacterial wilt in common bean by rhizobacteria. **Cuiaba, Brazil**, 2010.
- **Martins SJ**, Souza RM, Medeiros FHV, Zacaroni AB, Villela LS. Growth-promotion in common bean by rhizobacteria. **Cuiaba, Brazil**, 2010.

PROFESSIONAL AFFILIATIONS

- Affiliated Faculty with the UF Center for Latin American Studies
- Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)
- Affiliated Faculty with the Department of Plant Molecular and Cellular Biology (PMCB)
- The American Phytopathological Society (APS)
- Sociedade Brasileira de Fitopatologia (SBF)

UNIVERSITY SERVICE

SP 2021	Coordinator of Weekly Seminar Series – Plant Pathology Department, UF
2019-2020	Diversity, Equity, and Inclusion Committee – Department of Plant Pathology and Environmental Microbiology, PSU
2019	Coordinator of the NETWORKING WORKSHOP: by the Careers 101 Committee – Annual Meeting of the Northeastern Division of the American Phytopathological Society (APS), University Park, USA
2019	Search committee to hire a Postdoctoral Scholar – Department of Plant Pathology and Environmental Microbiology, PSU
2019	Search committee to hire a Research Technologist 1 (Microbiomes) – Department of Plant Pathology and Environmental Microbiology, PSU
2018	Coordinator of Weekly Microbiome Meeting – Microbiome Center, PSU
2018	Booth Organizer for AgProgressDay – Department of Plant Pathology and Environmental Microbiology, PSU
2018-2019	Safety Committee – Department of Plant Pathology and Environmental Microbiology, PSU
2018	Search Committee to hire a Research Technologist 1 – Department of Plant Pathology and Environmental Microbiology, PSU
SP2018	Coordinator of audiovisual needs for PPEM weekly colloquium – Department of Plant Pathology and Environmental Microbiology, PSU
2018	Booth Organizer for International Congress of Plant Pathology – Department of Plant Pathology and Environmental Microbiology, PSU
2018	Judge, Oral Talk Competition: Annual Microbiome Networking – Department of Plant Pathology and Environmental Microbiology, PSU
2016	Ph.D. Defense Committee , Federal University of Goias. Member of dissertation defense committee of Vanessa Duarte (2016) and Jacqueline de Carvalho (2016)
2016	Conference Assistant at the 8th Brazilian meeting about Induced Resistance in Plants against Pathogens, Goiania, Brazil.
2013	Conference Assistant at the 13th Symposium of Plant Disease Management, Lavras, Brazil.
2012	Conference Assistant at the 12th Symposium of Plant Disease Management, Lavras, Brazil.
2012-2013	Member of the Plant Pathology Study Group , Federal University of Lavras, Brazil

SCIENTIFIC REVIEWER (the number of manuscripts reviewed is shown between parenthesis)

2021-present Plant Disease (1)
2021-present Agronomy (1)
2021-present Sustainability (2)
2021-present BARD grant proposal (1)
2020-present PhytoFrontiers (1)
2020-present Frontiers in Microbiology (1)
2020-present Biological Control (1)
2019-present Antonie van Leeuwenhoek (2)
2018-present Coffee Science (1)
2017-present Tropical Plant Pathology (1)
2013-present African Journal of Agricultural Research (1)

SKILLS:

- **Software:** CLC Genomic Workbench, R, Bash, MEGA, Illustrator, SigmaPlot, Sisvar, TableCurve, MacOSX, MSOffice (Word, Excel, PowerPoint).
- **Languages:** English (Fluent), Portuguese (Native), Spanish (Basic)