

# ANDRE BUENO GAMA

Ph.D. candidate in Plant Pathology - University of Florida  
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## EDUCATION

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**2017 – present.** Ph.D. candidate in Plant Pathology (GPA 4.0)

University of Florida – **Expected Graduation:** July 2021.

**2015 – 2017.** Master of Science in Phytopathology

Escola Superior de Agricultura Luiz de Queiroz (ESALQ) - University of São Paulo

**2010 – 2015.** Bachelor of Science in Agricultural Engineering

Escola Superior de Agricultura Luiz de Queiroz (ESALQ) - University of São Paulo

## PROFESSIONAL EXPERIENCE

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**2017 – present.** Graduate Research Assistant– University of Florida – Plant Pathology Department.

▪Advisors: Dr. Natalia Peres and Dr. Megan Dewdney. “Improving disease alert systems targeting diseases caused by *Colletotrichum* spp.”

**2020-2021.** Reviewer - Plant Disease Journal. American Phytopathological Society.

**2019-2020.** Vice-president of the Gulf Coast Research and Education Center Postdoc and Student Association (GCPSA).

**2016.** Co-advisor – undergrad thesis of Carolina Suginoshita Rebello – Sensitivity of *Colletotrichum acutatum* and *Colletotrichum gloeosporioides* isolates to trifloxystrobin. State University Julio de Mesquita Filho – Registro, SP, Brazil.

**2015-2017.** Master’s student - Plant Pathology Department University of São Paulo.

**2012-2014.** Internship – Plant Pathology Department University of São Paulo.

**2010-2011.** Equine Therapy– Escola Superior de Agricultura Luiz de Queiroz (ESALQ USP) - Brazil – Volunteer.

## PEER- REVIEWED PUBLICATIONS

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• Wang, N.Y., Gama, A.B., Marin, M.V., and Peres, N.A. 2021 Development of a multiplex high-throughput diagnostic assay for the detection of strawberry crown rot diseases using high-resolution melting analysis. *Phytopathology* (accepted for publication).

• Gama, A.B., Cordova, L.G., Rebello, C.S., and Peres, N.A. 2021. Validation of a decision-support system for blueberry anthracnose and fungicide sensitivity of *Colletotrichum gloeosporioides* isolates. *Plant Dis.* <https://doi.org/10.1094/PDIS-09-20-1961-RE>.

• Perondi, D., Fraisse, C.W., Dewdney, M.M., Cerbaro, V.A., Andreis, J.H.D., Gama, A.B., Silva-Junior, G.J., Amorim, L., Pavan, W., Peres, N.A. 2020. Citrus advisory system: A web-based postbloom fruit drop disease alert system. *Comput. Electron. Agric.* <https://doi.org/10.1016/j.compag.2020.105781>.

- Gama, A. B., Baggio, J. S., Rebello, C.S., Lourenço, S.A., Gasparoto, M.C.G., Silva-Junior, G.J., Peres, N. A., and Amorim, L. 2020. Sensitivity of *Colletotrichum acutatum* isolates from citrus to carbendazim, difenoconazole, tebuconazole, and trifloxystrobin. Plant Dis. <https://doi.org/10.1094/PDIS-10-19-2195-RE>.

- Gama, A.B., Silva-Junior, G.S., Peres, N.A., Edwards-Molina, J.P., Lima, L.M., and Amorim, L. 2019. A threshold-based decision-support system for fungicide applications provides cost-effective control of citrus postbloom fruit drop. Plant Dis. <https://doi.org/10.1094/PDIS-01-19-0068-RE>.

## PRESENTATIONS AND EXTENSION PUBLICATIONS

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### Initials of presenting authors are in bold

- Gama, A.B., and Dewdney, M.M. 2021. Scout early bloom for PFD. Citrus Industry. Retrieved 18 Feb 2021 from <https://citrusindustry.net/2021/02/09/scout-early-bloom-for-pfd/>.

- **Gama, A.B.**, Cordova, L.G., Peres, N.A., and Dewdney, M.M. 2020. Management thresholds based on weather data provide cost-effective control of citrus and blueberry diseases caused by *Colletotrichum* spp. (poster presentation). Event: Plant Health 2020 online.

- **Wang, N.-Y.**, Gama, A.B., Marin, M.V., and Peres, N.A. 2020. Development of a multiplex high-throughput diagnostic assay for the detection of strawberry crown rot diseases using high-resolution melting analysis (poster presentation). Event: Plant Health 2020 online.

- Gama, A.B., Gasparoto, M.C.G., and Silva-Junior, G.J. 2020. Manejo da podridão floral dos citros. Revista Cultivar. Retrieved 27 Aug 2020 from [https://www.grupocultivar.com.br/materias/manejo-da-podridao-floral-dos-citros?fbclid=IwAR2\\_9mozTujGIWpjj1bKpHM40QiEX3BvtjJxidiq\\_vGDKK2jLPogrhAbGaB8](https://www.grupocultivar.com.br/materias/manejo-da-podridao-floral-dos-citros?fbclid=IwAR2_9mozTujGIWpjj1bKpHM40QiEX3BvtjJxidiq_vGDKK2jLPogrhAbGaB8). Extension publication.

- **Gama, A.B.**, Peres, N., Dewdney, M.M. 2019. Fungicide applications prevent *Colletotrichum acutatum* secondary conidiation from appressoria and conidiogenous hyphae on citrus leaves (poster presentation). Event: Plant Health 2019. Location: Cleveland, OH, USA.

- **Gama, A.B.**, Gonçalves, F.P., Forcelini B.B., Silva-Junior, G. J., Amorim, L., and Peres, N.A. 2018. Dispersal of *Colletotrichum acutatum* conidia from citrus and strawberry under controlled conditions (poster presentation). Event: International Congress of Plant Pathology. Location: Boston, MA, USA.

- **Gasparoto, M.C.G.**, Gama, A.B., Lourenco, S.A., Silva-Junior, G.J., and Amorim, L. 2017. Pollen can spread *Colletotrichum acutatum* among citrus flowers (poster presentation). Event: APS meeting. Location: San Antonio, TX, USA.

- Gama, A.B., and **Raid, R.N.** 2016. Genetic susceptibility of Florida sugarcane cultivars to pineapple disease (*Ceratocystis paradoxa*) (poster presentation). Event: American Society of Sugarcane Technologists 46<sup>th</sup> Annual Joint Meeting. Location: St. Pete Beach, FL, USA.

- Gama, A.B., **Silva-Junior, G.J.**, Peres, N.A., and Amorim, L. 2016. Developing a web-based disease forecasting system for control of postbloom fruit drop in Brazil (oral presentation). Event: International Citrus Congress. Location: Foz do Iguaçu, PR, Brazil.

- **Gama, A.B.**, Peres, N.A., and Amorim, L. 2016. Baseline sensitivity of *Colletotrichum acutatum* to tebuconazole (poster presentation). Event: Congresso Brasileiro de Fitopatologia. Location: Maceió, AL, Brazil.

- **Gama, A.B.**, Silva-Junior, G.J., Peres, N.A., and Amorim, L. 2016. Determination of a threshold for timing fungicide applications for control of postbloom fruit drop of citrus in Brazil (oral presentation). Event: APS Southern Division. Location: Balm, FL, USA.

- **Gama, A.B.**, Martins, T.D., and Amorim, L. 2015. Effect of rusts on the photosynthetic efficiency of sugarcane cultivars (poster presentation). Event: Congresso Brasileiro de Fitopatologia. Location: São Pedro, SP, Brazil.

## SKILLS

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### Languages

**Portuguese:** Native. **English:** Fluent, proficient. **Spanish:** Advanced level. **French:** Basic level.

### Experimental skills

Fungi culturing and inoculation, Polymerase Chain Reaction, High-Resolution Melting, Data analysis (including big data), Field trials (epidemiology and fungicide efficacy trials).

### Extra coursework

Emotional Intelligence; creativity and problem solving; neurolinguistic programming; smartworking (10 hours/course).

### Teaching workshops

Creating Global Classrooms through Virtual Exchange.

Career Readiness: Preparing Students for the Next Step.

Anti-Racist Theory & Teaching Practice Cultural Competencies.

Make it Global: Curriculum Internationalization.

Using Zoom to Make Learning Magic! Student Focused Teaching.

Canvas Tips for TAs

### Teaching experience

8 hours and 4 hours of lectures for undergraduate and graduate students, respectively - São Paulo State University, Brazil.

A 2-hour lecture for undergraduate students - Federal University of Viçosa, Brazil.

## GRANTS AND AWARDS

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**2019-2020** – UF College of Agricultural and Life Sciences scholarship - William C. and Bertha M. Cornett Fellowship (US\$1,500.00)

**2019-2020** – **Collaborator** Florida Strawberry Research and Education Foundation. Author: Natalia A. Peres. (US\$27,384)

**2019** – UF–Institute for Food and Agricultural Sciences- Travel Award

**2018 and 2019** – UF Plant Pathology Graduate Student Organization – Travel Award

**2018** – American Phytopathological Society Student Travel Award (US\$500.00)

**2017-2018** – Grinter Graduate School Fellowship Award (US\$1,500.00)

**2015** – São Paulo Research Foundation – research scholarship (US\$ 7,020.00)

**2015** - São Paulo Research Foundation – master’s scholarship (US\$7,500.00)

**2014** – São Paulo Research foundation – undergraduate research project (US\$1,400.00)

## REFERENCES

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**Dr. Megan M. Dewdney** ([mmdewdney@ufl.edu](mailto:mmdewdney@ufl.edu)) – Associate Professor of Plant Pathology, University of Florida

**Dr. Natalia A. Peres** ([nperes@ufl.edu](mailto:nperes@ufl.edu)) – Professor of Plant Pathology, University of Florida

**Dr. Lilian Amorim** ([lilian.amorim@usp.br](mailto:lilian.amorim@usp.br)) – Professor of Plant Pathology, University of Sao Paulo

**Dr. Richard N. Raid** ([rnraid@ufl.edu](mailto:rnraid@ufl.edu)) – Professor of Plant Pathology, University of Florida