

Dr. Cherre Bezerra¹, Entomologist

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1. Education

1.1. D.Sc. in Entomology (equivalent to Ph.D. in Entomology)

University of São Paulo (USP), Piracicaba, SP, Brazil – March 2007 to May 2011.

Dissertation: Bioecology of *Spodoptera frugiperda* and its egg parasitoids *Telenomus remus*, *Trichogramma atopovirilia*, and *T. pretiosum*. **Advisor:** Dr. José Roberto Postali Parra.

1.2. M.S. in Entomology

State University of São Paulo (UNESP), Jaboticabal, SP, Brazil – March 2005 to February 2007.

Thesis: Dispersal of the egg parasitoid *Telenomus remus* and its interaction with environmental variables in cotton fields. **Advisor:** Dr. Odair Aparecido Fernandes.

1.3. B.S. in Science Teaching (Biology)

University of Pernambuco, Petrolina, PE, Brazil – February 2000 to July 2004.

2. Research and Extension Experience

Department of Entomology, Embrapa Cotton, Brasilia, DF, Brazil – December 2018 to Present *Research Entomologist*

I constantly seek grant funding to develop research and extension on IPM, behavior, biocontrol, and chemical ecology of pests and beneficials. I hire, supervise and mentor students, technicians and postdocs, and actively contribute to academic, diversity & ethical committees.

Department of Horticulture, Oregon State University, Corvallis, OR – August 2016 to November 2018

Postdoctoral Research Associate

Answered my own research questions on the behavior of spotted-wing drosophila (SWD) and its pupal parasitoid, in laboratory and field settings. Aggressively sought grant funding to support research. Hired, supervised and mentored students. Published research results in peer-reviewed journals.

Bee Lab, Federal University of Reconcavo da Bahia, Cruz das Almas, BA, Brazil – August 2014 to July 2015

Postdoctoral Research Associate

Collaborated with British and Brazilian researchers in search for strains of deforming wing virus (DWV) in honeybees and native stingless bees. Designed and implemented field and lab experiments. Organized and participated in outreach events to beekeepers and stakeholders. Supervised and mentored students.

¹In June 2021, Dr. Bezerra competed for the "Assistant/Associate Professor, Tenure-track, Tree Fruit Entomologist" position at Cornell AgriTech, Cornell University, Geneva, New York, and was ranked amongst the top 3 candidates.



Department of Entomology/Department of Molecular and Cellular Biology, University of California, Davis, CA, USA – September 2012 to February 2014

Postdoctoral Research Associate

Applied skills in chemical and behavioral ecology, molecular biology, and electrophysiology to develop new insect attractants/repellents. Collaborated to the discovery of a new mosquito repellent and the role of behavior on selection of oviposition sites by a mosquito. Hired, supervised and mentored student workers.

Laboratory of Entomology, Embrapa Semiarid, Petrolina, PE, Brazil – March to August 2012

Postdoctoral Research Associate

Applied molecular tools to identify species of mealybugs (Pseudococcidae) in grapes. Collected, identified, and developed rearing methods to a new predator and a new parasitoid species of the mealybugs. Designed and executed behavioral experiments. Hired and supervised students.

Laboratory of Entomology, Embrapa Semiarid, Petrolina, PE, Brazil – August 2001 to December 2004

Student worker

Assisted in research, including execution of lab and field bioassays to test the efficacy of synthetic and biological insecticides and their selectivity to natural enemies. Photographed arthropods for scientific publications. Contributed to many research and extension publications and several scientific conferences.

3. Research Publications

3.1. Peer-reviewed articles – Published

(17) **2021** – Lewald, K.M. *et al.* Population genomics of *Drosophila suzukii* reveal longitudinal population structure and signals of migrations in and out of the continental United States. *G3*. jkab343. [DOI](#)

(16) **2020** – Goiana E.S.S., Dias-Pini N.S., Vidal-Neto F.C., Gomes Filho A.A., Duarte P.M., **Bezerra Da Silva C.S.**, Saraiva W.V.A. Dwarf cashew antibiotic and antixenotic resistance to the whitefly *Aleurodicus cocois*. *Anais da Academia Brasileira de Ciências*. 92 (suppl.1), e20180663. [DOI](#)

(15) **2019** – **Bezerra Da Silva C.S.**, Price B.E., Soohoo-Hui A., Walton V.M. Factors affecting the biology of *Pachycrepoideus vindemmia* (Hymenoptera: Pteromalidae), a parasitoid of spotted-wing drosophila (*Drosophila suzukii*). *PlosOne*. 14(7): e0218301. [DOI](#)

(14) **2019** – Goiana E.S.S., Dias-Pini N.S., Muniz C.R., Soares A.A., Alves J.C., Vidal-Neto F.C., **Bezerra Da Silva C.S.** Dwarf-cashew resistance to whitefly (*Aleurodicus cocois*) linked to morphological and histochemical characteristics of leaves. *Pest Management Science*. 76, 464–471. [DOI](#)



- (13) **2019** – **Bezerra Da Silva C.S.**, Price B.E., Walton V.M. Water-deprived parasitic wasps (*Pachycrepoideus vindemmiae*) kill more pupae of a pest (*Drosophila suzukii*) as a water-intake strategy. *Scientific Reports*. 9, 3592. [DOI](#)
- (12) **2019** – **Bezerra Da Silva C.S.**, Park K.R., Blood R.A., Walton V.M. Intraspecific competition affects the pupation behavior of spotted-wing drosophila (*Drosophila suzukii*). *Scientific Reports*. 9, 7775. [DOI](#)
- (11) **2016** – **Bezerra Da Silva C.S.**, Morelli R., Parra J.R.P. Effects of self-superparasitism and temperature on biological traits of two Neotropical *Trichogramma* (Hymenoptera: Trichogrammatidae) species. *Journal of Economic Entomology*. 109(4), 1555-1563. [DOI](#)
- (10) **2016** – Lima C.B.S., Nunes L., **Bezerra Da Silva C.S.**, Ribeiro M.F. & Carvalho C.A.L. Morphometric differences and fluctuating asymmetry in *Melipona subnitida* Ducke (Hymenoptera: Apidae) in different types of housing. *Brazilian Journal of Biology*. 76(4), 845-850. [DOI](#)
- (9) **2015** – **Bezerra Da Silva C.S.**, Vieira J.M., Loíacono M., Margaría C. & Parra J.R.P. Evidence of exploitative competition among egg parasitoids of *Spodoptera frugiperda* (Lepidoptera: Noctuidae) in maize. *Revista Colombiana de Entomología*. 41(2), 184-186. [DOI](#)
- (8) **2015** – Da Silva R.R., Oliveira J.E.M., Silva L.B., **Bezerra Da Silva C.S.**, Silva J.G., Oliveira A.C. & Souza I.D. Development and longevity of *Planococcus citri* (Risso, 1813) (Insecta: Homoptera: Pseudococcidae) associated with grapevine. *African Journal of Agricultural Research*. 10(35), 3543-3547. [DOI](#)
- (7) **2014** – Dias N.S., **Bezerra Da Silva C.S.**, Peñaflor M.F.G.V. & Parra J.R.P. Does host determine short-range flight capacity of trichogrammatids? *Journal of Applied Entomology*. 138(9), 677-682. [DOI](#)
- (6) **2013** – **Bezerra Da Silva C.S.** & Parra J.R.P. New method for rearing *Spodoptera frugiperda* in laboratory shows that larval cannibalism is not obligatory. *Revista Brasileira de Entomologia*. 57, 347-349. [DOI](#)
- (5) **2013** – Leal W.S., Choo Y.M., Xu P., **Bezerra Da Silva C.S.** & Ueira-Vieira C. Differential expression of olfactory genes in the southern house mosquito and insights into unique odorant receptor gene isoforms. *PNAS*. 110, 18704-9. [DOI](#)
- (4) **2012** – Peñaflor M.F.G.V., Sarmiento M.M.M., **Bezerra Da Silva C.S.**, Werneburg A.G. & Bento J.M.S. Effect of host egg age on preference, development and arrestment of *Telenomus remus* (Hymenoptera: Scelionidae). *European Journal of Entomology*. 109, 15-20. [DOI](#)



(3) **2009** – Peres F.S.C., Fernandes O.A., Silveira L.C.P. & **Bezerra Da Silva C.S.** Marigold as attractive plant for thrips in protected cultivation of organic melon. *Bragantia*. 8, 953-960. (Published in Portuguese). [DOI](#)

(2) **2005** – Barbosa F.R., Gonçalves M.E.C., Moreira W.A., Alencar J.A., Souza E.A., **Bezerra Da Silva C.S.**, Souza A.M. & Miranda I.G. Arthropod-pests and predators associated with mango trees in the San Francisco River Valley, Northeastern Brazil. *Neotropical Entomology*. 34, 471-474. [DOI](#)

(1) **2004** – Barbosa F.R., Souza E.A., Moreira W.A., Alencar J.A., Haji F.N.P., **Bezerra Da Silva C.S.** (2004). Effectiveness of terbufos and carbofuran on the control of the banana weevil borer, *Cosmopolites sordidus*, Germar (Coleoptera: Curculionidae). *Pesticidas Revista de Ecotoxicologia e Meio Ambiente*. 14, 121-125. [DOI](#)

3.2. Peer-reviewed article – In preparation

(3) **2022** – **Bezerra Da Silva C.S.** The southern house mosquito uses proboscis to taste an oviposition stimulant and select where to raise its offspring.

(2) **2022** – **Bezerra Da Silva C.S.**, Price B.E., Park K.R., Walton V.M. Parasitism and host feeding behavior of *Pachycrepoideus vindemmiae* (Hymenoptera: Pteromalidae) on spotted-wing drosophila.

(1) **2022** – **Bezerra Da Silva, C.S.**, Soohoo-Hui, A.E., Price, B., Walton, V. Impact of diet on feeding and reproductive behaviors of *Pachycrepoideus vindemmiae* (Hymenoptera: Pteromalidae) attacking spotted-wing drosophila (*Drosophila suzukii*).

4. Extension Publications

4.1. Booklets

(6) **2021** – Dias N. da S.D., Duarte P.M., Maciel G.P. de S., Zocolo G.J., Vidal Neto F. das C., **Da Silva C.S.B.** Phytochemical quantification and characterization of dwarf cashew kernels infested with *Anacampsis phytomiella*. Fortaleza: Embrapa Agroindústria Tropical. 20 pages. ([Link - Portuguese](#))

(5) **2021** – Dias N. da S.D., Mateus A.E., Maciel G.P. de S., Saraiva V.W.A., Rodrigues T.H.S., **Da Silva C.S.B.**, Vidal Neto F. das C., Fanceli M., Canuto K.M., Zocolo G.J. Volatiles released by leaves of dwarf cashew and their attractant effects on cashew whitefly, *Aleurodicus cocois*. Fortaleza: Embrapa Agroindústria Tropical. 16 pages. ([Link - Portuguese](#))

(4) **2020** – Dias N. da S., Monteiro N.V., Saraiva V.W.A., Souza A.G.L. de, Santos T.C. dos, Zocolo G.J., Innecco R., **Da Silva C.S.B.** Selectivity of a mix of essential oils to parasitoids of *Aleurodicus cocois* nymphs in cashew. Fortaleza: Embrapa Agroindústria Tropical. 17 pages. ([Link - Portuguese](#))



(3) **2019** – **Bezerra Da Silva C.S.**, Price B., Dalton D., Rendon D., Park K., Brewer L., Walton V.M., Rossi-Stacconi M.V. Potential impacts of irrigation on biocontrol of spotted-wing drosophila. Corvallis: Oregon State University. 3 pages. ([Link](#))

(2) **2019** – Rendon D., Mermer S., Brewer L., Dalton D., **Bezerra Da Silva, C.S.**; Lee J., Nieri R., Park K., Pfab F., Tait G., Rossi-Stacconi M.V., Wiman N., Walton V.M. Cultural control strategies to manage spotted-wing drosophila. Corvallis: Oregon State University. 4 pages. ([Link](#))

(1) **2019** – Rossi-Stacconi M.V., Brewer L., Miller B., Dalton D., Lee J.; Park K., Pfab F., Walton V.M., **Bezerra Da Silva C.S.** Biocontrol of spotted-wing drosophila. Corvallis: Oregon State University. 3 pages. ([Link](#))

4.2. Magazine article

(3) **2022** – Mirada, J.E.; **Bezerra Da Silva, C.S.** Use of biosupplies in the cotton crop. Revista Cultivar Grandes Culturas. v.273, p.11-13. ([Link - Portuguese](#)).

(2) **2021** – 2021 - **Bezerra Da Silva, C.S.** Natural occurrence and competition of egg parasitoids of *Spodoptera frugiperda* in the field. Entendendo Biodefensivos. ([Link - Portuguese](#)).

(1) **2008** – Aguado P., Fernandez M., **Da Silva C.S.B.**, Velazquez E., Sal J. & Viñuela E. Is it possible to combine natural enemies and pesticides? *Horticultura global: Revista de Industria, Distribución y Socioeconomía Hortícola*. 209, 44-46. ([Link - Spanish](#)).

4.3. Book

(1) **2006** – Barbosa F.R., **Da Silva C.S.B.** & Carvalho G.K.L. *Use of alternative insecticides to control agricultural pests*. Petrolina: Embrapa Semi-Árido. 47 pages. ISSN: 1808-9992. ([Link - Portuguese](#)).

4.4. Book chapter

(1) **2005** – Barbosa F.R., **Da Silva C.S.B.**, Gonçalves M.E.C., Souza E.A., Souza A.M. & Miranda I.G. Arthropod-pests and natural enemies associated with mango trees in São Francisco Valley, Northeastern Brazil. In: Menezes E.A. & Barbosa F.R. (Eds). *Pests of mango: Monitoring, action threshold and control*. Petrolina, p.71-84. ISBN: 85-7405-008-3. ([Link - Portuguese](#))

4.5. Handouts & leaflets

(3) **2004** – Barbosa F.R., Paranhos B.A.J., **Da Silva C.S.B.** Quarantine pests of mango. Petrolina: Embrapa Semi-Árido. 13 pages. ([Link - Portuguese](#))

(2) **2003** – Designed and edited the folder “*Citrus blackfly: A threat to Brazilian fruticulture*”, authored by Barbosa F.R. & Sá L.A.N. Petrolina: Embrapa Semi-Árido. ([Link - Portuguese](#)).

(1) **2003** – Designed and edited the folder “*Pink hibiscus mealybug: A threat to Brazil*”, by Barbosa F.R. & Sá L.A.N. Petrolina: Embrapa Semi-Árido. ([Link - Portuguese](#))



4.6. Social media

(2) **2020-Present** – Creator of the Instagram account [@entomologista](#), where I post all things entomology plus career advice and content for students and early career entomologists. As of today, the account has 2,700+ followers and counting.

(1) **2020-Present** – Creator of the YouTube channel [Cherre Bezerra Da Silva](#), which is dedicated to content on insects and other arthropods, as well as career advice and content for students and early career entomologists. In the last 28 days, the videos posted on the channel had 4,805 views. As of today, the channel has 1,500+ subscribers and counting.

5. Teaching Experience

(9) **2017** – Taught “Entomophagy” to undergraduate students as a guest lecturer in the class “*Plagues, pests, and politics*”, invited by *Professor Vaughn Walton*. Oregon State University, Corvallis, OR, USA. **Total time: 1h.**

(8) **2015** – Taught “Importance of Pests and Its Concepts” to undergraduate students as a guest lecturer in the class “**Agricultural Entomology**”, invited by *Professor Carlos Alfredo Lopes de Carvalho*. UFRB, Cruz das Almas, BA, Brazil. **Total time: 7h (3h theory, 4h practice).**

(7) **2014** – Taught “Insect Ecology II” to undergraduate students as a guest lecturer in the class “**Agricultural Entomology**”, invited by *Professor Carlos Alfredo Lopes de Carvalho*. UFRB, Cruz das Almas, BA, Brazil. **Total time: 7h (3h theory, 4h practice).**

(6) **2014** – Taught “Insect Ecology I” to undergraduate students as a guest lecturer in the class “**Agricultural Entomology**”, invited by *Professor Carlos Alfredo Lopes de Carvalho*. UFRB, Cruz das Almas, BA, Brazil. **Total time: 7h (3h theory, 4h practice).**

(5) **2011** – Taught “**Cytology**” and “**Physiology**” to undergraduate students as the main instructor. IES, Juazeiro, BA, Brazil. **Total time: 128h (8h/week, for 16 weeks).**

(4) **2009** – Worked as a Teaching Assistant in the class “**Pests of Row Crops**”, taught to undergraduate students by *Professor José Roberto Postalí Parra*. University of São Paulo, Piracicaba, SP, Brazil. **Total hours: 128h (8h/week, for 16 weeks).**

(3) **2009** – Teaching Assistant in the class “**Principles of Entomology**” taught for undergraduate students by *Professors Celso Omoto* and *Roberto Antonio Zucchi*. University of São Paulo, Piracicaba, SP, Brazil. **Total time: 128h (8h/week, for 16 weeks).**



(2) **2006** – Teaching Assistant in the class “**Agricultural Pests**” taught for undergraduate students by *Professors Odair Aparecido Fernandes* and *Sérgio de Freitas*. State University of São Paulo, Jaboticabal, SP, Brazil. **Total time: 64h (4h/week, for 16 weeks).**

(1) 2003 – Teaching Assistant in Math and Science to children in 5th and 6th graders. Colégio Nossa Senhora Auxiliadora, Petrolina, PE, Brazil. Total time: 32h (4h/week, for 8 weeks).

6. Awards and Scholarships

(3) **2016** – [OPA Professional Development Award](#). Oregon State University, Corvallis, OR (US\$ 1,000).

(2) **2008** – **Graduate Student Exchange Program**. Universidad Politécnica de Madrid, Spain. (€ 4,500).

(1) **2006** – **ESB Award - Best Oral Presentation**. Brazilian Congress of Entomology, Recife, Brazil (R\$ 200).

7. Grants and Other Funding

(22) **2022** – **Bezerra Da Silva C.S.**, Dias-Pini, N. da S., *et al.* Use of parasitic wasps for biocontrol of the cotton boll weevil. *National Council for Science & Technology Development (CNPq)*. Total request: **US\$ 290,135** (R\$ 1,500,000) for 3 years. Situation: **Under review**.

(21) **2021** – Laumann R., **Bezerra Da Silva C.S.**, Blassioli M.C., Borges M. *et al.* Novel semiochemicals and automatic traps for cotton boll weevil, brown stink bug, and lepidopterans in cotton and soybeans. *FAPDF*. Total request: **US\$ 28,000** for 2 years. Situation: **Funded**.

(20) **2021** – **Bezerra Da Silva C.S. (PI)**, Laumann R., Blassioli M.C., Borges M. *et al.* Artificial Intelligence-based system for monitoring cotton and soybean pests. *SEG*. Total request: **US\$ 160,000** for 5 years. Situation: **Funded**.

(19) **2021** – Laumann R., Blassioli M.C., Borges M., **Bezerra Da Silva C.S. et al.** Biological control and chemical ecology of spotted-wing drosophila. *SEG*. Total request: **US\$ 100,000** for 2 years. Situation: **Not funded**.

(18) **2021** – **Bezerra Da Silva C.S. et al.** “Development of better semiochemicals for monitoring and control of sugarcane borer (*Diatraea saccharalis*), cotton boll weevil (*Anthonomus grandis*), and citrus fruit borer (*Gymnandrosoma aurantianum*)”. *SEG*. Total request: **US\$ 60,000** for 2 years. Situation: **Funded**.

(17) **2021** – Laumann R., Blassioli M.C., Borges M., **Bezerra Da Silva C.S. et al.** *In vivo* and *in vitro* rearing of parasitoids of cotton boll weevil. *SEG*. Total request: **US\$ 109,000** for 3 years. Situation: **Not funded**.



(16) **2020** – Zonta J.H., **Bezerra Da Silva C.S. et al.** Technologies to increase productivity of naturally colored organic cotton in the Paraiba state. *SEG*. Total request: **US\$ 24,000** for 4 years. Situation: **Funded**.

(15) **2019** – Miranda J.E., Blassioli M.C., **Bezerra Da Silva C.S. et al.** Optimizing IPM for cotton boll weevil in Brazilian agroecosystems. *SEG*. Total request: **US\$ 101,000** for 3 years. Situation: **Funded**.

(14) **2019** – **Bezerra Da Silva C.S. et al.** Collection, quantification and identification of insect volatiles in the field: Towards the development of a new technology for pest monitoring. *Monsanto*. Total request: **US\$ 51,670** for 2 years. Situation: **Not funded**.

(13) **2018** – Walton V.M., **Bezerra Da Silva C.S.**, Moretti M. Impact of Irrigation on management of spotted-wing drosophila. *Oregon Raspberry and Blackberry Commission*. Total request: **US\$ 28,000** for 2 years. Situation: **Funded**.

(12) **2018** – **Bezerra Da Silva C.S.** Rearing beneficial tiny wasps to control agricultural pests. *2018 Winter/Spring Beginner Researcher Support Program*. Total request: **US\$ 750**. Situation: **Funded**.

(11) **2018** – **Bezerra Da Silva C.S.**, Rendon D., Walton V.M. *Drosophila suzukii* management: What have researchers from Asia, Europe, and North America been spotting? *Donation from Marrone Bio Innovations and ISCA Technologies*. Total request: **US\$ 1,500**. Situation: **Funded**.

(10) **2017** – Walton V.M. & **Bezerra Da Silva C.S.** Understanding and enhancing biocontrol of *Drosophila suzukii* with native parasitoid releases. *Oregon Raspberry and Blackberry Commission*. Total request: **US\$ 36,000** for 3 years. Situation: **Funded**.

(9) **2017** – Walton V.M., **Bezerra Da Silva C.S.**, Rendon D. Factors that affect survival and behavior of the spotted wing drosophila and an important parasite. *Oregon Blueberry Commission*. Total request: **US\$ 10,000** for 1 year. Situation: **Funded**.

(8) **2017** – Walton V.M., **Bezerra Da Silva C.S.**, Rendon D. Factors that affect survival and behavior of the spotted wing drosophila and an important parasite. *Washington Blueberry Commission*. Total request: **US\$ 18,700** for 1 year. Situation: **Not funded**.

(7) **2016** – Walton V.M., Field J., Chiu J., **Bezerra Da Silva C.S.**, Dalton D. Sustainable and rapid-response *Drosophila suzukii* management. *Washington Tree Fruit Research Commission*. Total request: **US\$ 72,021** for 2 years. Situation: **Not funded**.

(6) **2014** – Carvalho C.A.L., Martin S.J., Correia-Oliveira E.M., Estevinho L., **Bezerra Da Silva C.S. et al.** National Institute for Science and Technology on Bees. *National Council for Science & Technology Development (CNPq)*. Total request: **US\$ 4,024,932** (R\$ 9,981,833) for 5 years. Situation: **Funded**.



(5) **2014** – Ávila C., Barbosa F.R., Cruz I., **Bezerra Da Silva C.S.** *et al.* Economic injury level and biological control of *Helicoverpa armigera* in the context of IPM in different crops. *Embrapa – Ministry of Agriculture*. Total request: **\$272,000** (R\$ 600,000) for 3 years. Situation: **Funded**.

(4) **2012** – **Bezerra Da Silva C.S.** Isolation and identification of plant volatiles with attractive or repellent potential against the navel orangeworm (*Amyelois transitella*) (Lepidoptera: Pyralidae). *National Council for Science & Technology Development (CNPq)*. Total request: **\$30,000** for 1 year. Situation: **Funded**.

(3) **2011** – **Bezerra Da Silva C.S.** Biology, monitoring, and action threshold for mealybugs in vineyards of the São Francisco Valley. *The Pernambuco Research Foundation (FACEPE)*. Total request: **US\$ 77,832** for 3 years. Situation: **Funded**.

(2) **2007** – **Bezerra Da Silva C.S.** & Parra J.R.P. Release model for *Telenomus remus* Nixon (Hymenoptera: Scelionidae) and *Trichogramma atopovirilia* Oatman & Platner (Hym.: Trichogrammatidae) aiming at control of *Spodoptera frugiperda* (J.E. Smith) (Lepidoptera: Noctuidae). *The São Paulo Research Foundation (FAPESP)*. Total request: **US\$ 70,430** for 3 years. Situation: **Funded**.

(1) **2005** – **Bezerra Da Silva C.S.** & Fernandes O.A. Biological control of *Spodoptera frugiperda*, *S. eridania* and *S. cosmioides* (Lepidoptera: Noctuidae) by the egg parasitoid *Telenomus remus* (Hymenoptera: Scelionidae): Studies for the implementation of a release program for the cotton crop. *The São Paulo Research Foundation (FAPESP)*. Total request: **US\$ 15,000** for 2 years. Situation: **Funded**.

8. Talks

(28) **2022** – **Competing for an Assistant Professor position (tenure track) at Cornell University.** *Insectum Seminar*. Department of Entomology, Federal University of Viçosa. Viçosa, MG, Brazil (online event).

(27) **2022** – **It's raining... prejudice: Navigating entomology as a member of the LGBTQIA+ community.** *28th Brazilian Congress of Entomology*. Entomological Society of Brazil, Embrapa Tropical Agroindustry. Fortaleza, CE, Brazil.

(26) **2022** – **Behavior of *Pachycrepoideus vindemmia* on spotted-wing drosophila (*Drosophila suzukii*).** *28th Brazilian Congress of Entomology*. Entomological Society of Brazil, Embrapa Tropical Agroindustry. Fortaleza, CE, Brazil.

(25) **2022** – **Rainbowy data: How LGBTQIA+ have been navigating academia.** 2022 Summer course on Zoology. Institute of Biosciences, University of São Paulo. São Paulo, SP, Brazil (online event).

(24) **2021** – **Thirst for power: How a hydration strategy pushes female parasitoids to fight spotted-wing drosophila.** Research Seminar for the Tree Fruit Entomologist Faculty Position. Department of Entomology, Cornell University, Geneva, NY, USA (online event).



(23) **2021 – Biology and Management of San Jose Scale in Apples.** Extension Seminar for the Tree Fruit Entomologist Faculty Position. Department of Entomology, Cornell University, Geneva, NY, USA (online event).

(22) **2021 – Thirst for power: A hydrating behavior helps female parasitoids to fight spotted-wing drosophila.** Brazilian Meeting of Entomology Students. Entomological Society of Brazil. Santo Antônio de Goiás, GO, Brazil (online event).

(21) **2021 – Moral harassment in Embrapa from 2019 to 2021.** Fighting Moral Harassment in Embrapa. The National Union of Agricultural Research Workers (SINPAF). Brasília, DF, Brazil (online event).

(20) **2021 – Entomologist in action: How do they live, eat, and behave?** Meeting on Ecology and Conservation of Biodiversity. Department of Entomology, Federal University of Grande Dourados, Dourados, MS, Brazil (online event).

(19) **2021 – Biology and behavior of Insects.** Brazilian Congress on Biology of Insects, Instituto Multiprofissional de Ensino, Nova Olinda, CE, Brazil (online event).

(18) **2020 – [Insect behavior and agriculture.](#)** International Symposium on Agroecology, Federal University of Paraíba, Bananeiras, Brazil (online event).

(17) **2020 – Insect behavior and the sustainable management of pests.** 1st Seminar on Agroecology and Organic Agriculture, ECIT Otávia Silveira, Mogeiro, PB, Brazil (online event).

(16) **2020 – [Insect behavior and tools for pest management.](#)** Meeting on Ecology and Conservation of Biodiversity. Department of Entomology, Federal University of Grande Dourados, Dourados, MS, Brazil (online event).

(15) **2020 – [Insect behavior and agriculture.](#)** Online event. 2nd Symposium on Entomology and Phytopathology, Federal University Reconcavo of Bahia, Cruz das Almas, Brazil (online event).

(14) **2020 – Working as an entomologist overseas: Spain and the USA.** Online event. Department of Entomology, Federal University of Lavras, Lavras, Brazil (online event).

(13) **2020 – [Thirsty wasps kill more: impact of water on the biocontrol potential of a parasitoid.](#)** Online event. Department of Entomology and Acarology, University of São Paulo, Piracicaba, Brazil (online event).

(12) **2020 – Behavior of insects in agricultural landscapes.** Workshop on Agricultural Sciences. Online event. Department of Agriculture, Federal University of Paraíba, Brazil (online event).

(11) **2019 – Behavioral ecology and pest management: Experiences in Brazil and overseas.** *Seminars of Embrapa Cotton.* Campina Grande, PB, Brazil.



(10) **2018 – Thirsty wasps kill more: Dehydration increases parasitism and host-feeding of *Pachycrepoideus vindemiae* on spotted-wing drosophila (*Drosophila suzukii*)**. Symposium “Crossing Borders of Understanding: Sharing Your Science with the Public”, 2018 ESA, ESC, and ESBC Joint Annual Meeting, Vancouver, BC, Canada. ([Link](#))

(9) **2018 – Updates on management of spotted-wing drosophila (SWD) – Biological Control**. *Blueberry field day*. July 18th 2018. Oregon State University. Aurora, OR, USA. ([Link](#))

(8) **2017 – Larval competition affects behavior, development, and survival of the spotted wing drosophila (*Drosophila suzukii*)**. 101st Annual Meeting of the PBESA, Portland, OR, USA. ([Link](#))

(7) **2017 – Contributions of behavioral and chemical ecology to IPM**. *Urban Pest Management Course Clackamas Community College*, Oregon City, OR, USA ([Link](#)).

(6) **2017 – Sustainable management of SWD**. *Biocontrols USA West 2017 Conference & Expo*, Reno, NV, USA. ([Link](#))

(5) **2016 – Contributions of behavioral and chemical ecology to IPM: Past, present and future**. *OSU Horticulture Fall Seminar*, Corvallis, OR, USA.

(4) **2015 – My experience as a postdoc**. *Seminar “Graduate school – Postdocs tell their experiences”* – UFRB Spring Seminar, Cruz das Almas, BA, Brazil.

(3) **2014 – Impact of pesticides on bee behavior”**. *RECONCITEC*, UFRB, Cruz das Almas, BA, Brazil. ([Link](#))

(2) **2014 – Principles of IPM**. *Course on Integrated Pest Management of Soybean, Corn, and Cotton*. Faculdade do Noroeste de Minas (FINOM), Paracatú, MG, Brazil.

(1) **2014 – Principles of IPM**. *Course on Integrated Pest Management of Soybean, Corn, and Cotton*. Universidade Federal de Goiás, Jataí, GO, Brazil.

9. Scientific Meetings

9.1. Oral contributions

(8) **2020** - Nunes, L.L.; **Bezerra Da Silva, C.S.**; Araújo, L.H.A. Use of *augmentorium* for management of the cotton boll weevil and promotion of biological control. 15th Meeting on Scientific Production of Embrapa Cotton, p.16, Campina Grande, PB. ([Link](#))

(8) **2018** - **Bezerra Da Silva, C.S.**; Price, B.; Soohoo-Hui, A.E.; Walton, V.M. Two Ways to Kill a Pest: Parasitism and Host-Feeding of *Pachycrepoideus vindemiae* on Spotted-Wing Drosophila. 92nd Annual Pest and Disease Management Conference, p.22, Portland, OR. ([Link](#))



(7) **2018** – Walton, V.M.; Dalton, D.; Mermer, S.; Tait, G.; Rendon, D.; **Bezerra Da Silva, C.S.**; Rossi-Stacconi, M.V.; Grassi, A.; Loratti, C.; Anfora, G.; Pfab, F. **Modeling SWD population dynamics: Insights into biology and management.** 2018 ESA, ESC, and ESBC Joint Annual Meeting, Vancouver, BC, Canada. ([Link](#)).

(6) **2018** – Park, K.; Bezerra Da Silva, C.S., Walton, V.M. **Temperature and photoperiod dependent pupation behavior of *Drosophila suzukii* larvae.** 2018 ESA, ESC, and ESBC Joint Annual Meeting, Vancouver, BC, Canada. ([Link](#)).

(5) **2017** – **Bezerra Da Silva, C.S.**, Soohoo-Hui, A.E., Price, B., Walton, V.M. Effects of host availability and diet on the biology of *Pachycrepoideus vindemiae* (Hymenoptera: Pteromalidae). *Entomology 2017*, Denver, CO, USA. ([Link](#))

(4) **2016** – Walton V.M., Field J., Chiu J., **Bezerra Da Silva C.S.**, Dalton D. Sustainable and rapid-response *Drosophila suzukii* management. Northwest Cherry Research Review 2017. Washington Tree Fruit Research Commission, Wenatchee, WA, USA.

(3) **2010** – **Da Silva C.S.B.**, Fernández M.M., Rodríguez D., Morales I., Velazquez E., Medina P., Viñuela E. Compatibility of the very sensitive parasitoid *Psytalia concolor* (Szepi.) with some modern pesticides with different mode of action. Influences of the exposure route and persistence. *9th European Congress of Entomology*, Budapest, Hungary. (Presented by **Viñuela, E.**). ([Link](#)).

(2) **2007** – Peres F.S.C., Carneiro T.R., **Da Silva C.S.B.** Biological control: Import, augment or conserve? *5th Winter Course on Entomology*. University of São Paulo, Ribeirão Preto, SP, Brazil. ([Link - Portuguese](#))

(1) **2006** – **Da Silva C.S.B.**, **Fernandes O.A.** Dispersal of the egg parasitoid *Telenomus remus* in cotton agro-ecosystems. *21st Brazilian Congress of Entomology*, Recife, PE, Brazil. ([Link - Portuguese](#))

9.2. Poster contributions

(34) **2019** – **Bezerra Da Silva, C.S.**, Price B., Walton, V.M. Parasitic wasps (*Pachycrepoideus vindemmiae*) kill more pupae of a pest (*Drosophila suzukii*) as a water-intake strategy. *11th Brazilian Meeting on Chemical Ecology*, Maceio, AL, Brasil. ([Link - Portuguese](#)).

(33) **2019** – **Bezerra Da Silva, C.S.** Role of taste and proboscis on the oviposition behavior of the southern house mosquito. *11th Brazilian Meeting on Chemical Ecology*, Maceio, AL, Brasil. ([Link - Portuguese](#)).

(32) **2017** – **Bezerra Da Silva, C.S.**, Park, K.R., Walton, V.M. Intraspecific competition affects larval foraging and pupation behavior, survival, development and sex ratio of spotted-wing drosophila (*Drosophila suzukii*). *Entomology 2017*, Denver, CO, USA. ([Link 1](#), [Link 2](#)).

(31) **2013** – **Bezerra Da Silva C.S.**, Paz H.H.R., Coelho R.R., Costa V.A., Paranhos B.A.J., Oliveira J.E.M. Honeydew of *Planococcus citri* (Pseudococcidae) increases longevity and locomotory activity of its



parasitoid, *Coccidoxenoides perminutus* (Encyrtidae). *13th Biological Control Symposium*, Bonito, MS, Brazil. ([Link](#)).

(30) **2012** – Fernandes M.H.A, Oliveira J.E.M., Oliveira A.C., Souza I.D., Pinto Junior E.S., **Bezerra Da Silva C.S.**, Borges R. Attractiveness and mortality of fruit flies (*Ceratitis capitata*) treated with different formulations of toxic baits. *24th Brazilian Congress of Entomology*, Curitiba, PR, Brazil. ([Link - Portuguese](#)).

(29) **2012** – Oliveira J.E.M., Fernandes M.H.A, Pinto Junior E.S., Silva R.R., **Bezerra Da Silva C.S.**, Botton M. Filho W.J.M. Inventory of the mealybug complex (Hemiptera: Pseudococcidae) in vineyards of the São Francisco Valley. *24th Brazilian Congress of Entomology*, Curitiba, PR, Brazil. ([Link - Portuguese](#)).

(28) **2012** – Oliveira A.C., Souza I.D., Fernandes M.H.A., **Bezerra Da Silva C.S.**, Pinto Junior E.S., Oliveira J.E.M. Survey of the mealybug species in vineyards of the São Francisco Valley. *7th Beginner Researcher Seminar of Embrapa Semiárido*, Petrolina, PE, Brazil. ([Link - Portuguese](#)).

(27) **2012** – Silva R.R., Oliveira J.E.M., **Bezerra Da Silva C.S.**, Pinto Junior E.S., Silva J.G. Biological aspects of *Planococcus* sp. (Hemiptera: Pseudococcidae) in grape (*Vitis vinifera* L.). *24th Brazilian Congress of Entomology*, Curitiba, PR, Brazil. ([Link - Portuguese](#)).

(26) **2010** – **Da Silva C.S.B.** & Parra, J.R.P. Thermal requirements and effect of temperature on biological characteristics of two *Spodoptera frugiperda* egg parasitoid species. *9th European Congress of Entomology*, Budapest, Hungary. ([Link](#)).

(25) **2009** – **Da Silva C.S.B.**, Lima F.B., Milano P., Parra J.R.P. Reproductive behavior of *Spodoptera frugiperda* (Lepidoptera: Noctuidae). *6th Brazilian Meeting of Chemical Ecology*, Viçosa, MG, Brazil. ([Link - Portuguese](#)).

(24) **2009** – Kuss-Roggia R.C.R., Bento J.M.S., Roggia S., **Da Silva C.S.B.** Mating behavior of *Spodoptera frugiperda* (Lepidoptera: Noctuidae) in semi-field. *6th Brazilian Meeting of Chemical Ecology*, Viçosa, MG, Brazil. ([Link - Portuguese](#)).

(23) **2009** – Sarmiento M.M.M., Wernerburg A.G., **Da Silva C.S.B.**, Peñaflor MFGV. Effect of *Spodoptera frugiperda* (Lepidoptera: Noctuidae) egg age on the parasitism, preference and arrestment of *Telenomus remus* (Hymenoptera: Scelionidae). *6th Brazilian Meeting of Chemical Ecology*, Viçosa, MG, Brazil. ([Link - Portuguese](#)).

(22) **2009** – Fernández M.M., Sal J., Velazquez E., **Da Silva C.S.B.**, Aguado P., Viñuela E. Effects of modern insecticides in the very sensitive parasitoid *Psytalia concolor* (Szèpl.) (Braconidae) and three selected natural enemies of importance in horticultural crops: The parasitoids *Aphydius ervi* (Haliday) (Aphidiidae) and *Eretmocerus mundus* (Mercet) (Aphelinidae) and the predator *Chrysoperla carnea* (Stephens) (Chrysopidae). *3rd International Symposium on Biological Control of Arthropods*, Christchurch, New Zealand. ([Link](#))



- (21) **2009** – **Da Silva C.S.B.** & Parra J.R.P. Ideal temperature range for parasitism of *Telenomus remus* on *Spodoptera frugiperda*. *11th Biological Control Symposium*, Bento Gonçalves, RS, Brazil.
- (20) **2009** – **Da Silva C.S.B.**, Lima F.B., Parra J.R.P. Daily rhythm of oviposition of *Telenomus remus*. *11th Biological Control Symposium*, Bento Gonçalves, RS, Brazil.
- (19) **2009** – **Da Silva C.S.B.**, Morales I., Velazquez E., Fernández M.M., Viñuela E. Influence of exposure form in the toxicity of modern insecticides on the very sensitive braconid *Psytalia concolor* (Szèpl.). *6th National Congress of Applied Entomology*, Palma de Mallorca, Spain. ([Link - Spanish](#)).
- (18) **2006** – **Da Silva C.S.B.** & Fernandes O.A. Dispersal of the egg parasitoid *Telenomus remus* (Hymenoptera: Scelionidae) in cotton agro-ecosystems. *21st Brazilian Congress of Entomology*, Recife, PE, Brazil. ([Link - Portuguese](#)).
- (17) **2006** – Barbosa F.R., **Da Silva C.S.B.**, Carvalho G.K.L., Gervásio R.C.R.G. Comparison of population levels of *Erosomyia mangiferae* (Diptera: Cecidomyiidae) between border and center of mango orchards. *21st Brazilian Congress of Entomology*, Recife, PE, Brazil. ([Link - Portuguese](#)).
- (16) **2006** – Barbosa F.R., **Da Silva C.S.B.**, Carvalho G.K.L., Gervásio R.C.R.G. Comparison of population levels of thrips between border and center of mango orchards. *21st Brazilian Congress of Entomology*, Recife, PE, Brazil.
- (15) **2005** – Barbosa F.R., Souza E.A., **Bezerra Da Silva C.S.**, Carvalho G.K.L., Gervásio R.C.R.G., Gonçalves M.E.C. Occurrence of predatory mites in two cultivation systems of mango: Integrated and organic productions. *9th Biological Control Symposium*, Recife, PE, Brazil.
- (14) **2004** – Barbosa F.R., Santana M.R.S.P., **Bezerra Da Silva C.S.**, Paranhos B.A.J. *Aleurocanthus woglumi* (Hemiptera: Aleyrodidae): A threat to the fructiculture of the São Francisco Valley. *20th Brazilian Congress of Entomology*, Gramado, RS, Brazil.
- (13) **2004** – Barbosa F.R., Santana M.R.S.P., **Bezerra Da Silva C.S.**, Paranhos B.A.J. *Maconellicoccus hirsutus* (Hemiptera: Pseudococcidae): A threat to the Brazilian fructiculture. *20th Brazilian Congress of Entomology*, Gramado, RS, Brazil.
- (12) **2004** – Barbosa F.R., Souza E.A., **Bezerra Da Silva C.S.**, Gonçalves M.E.C., Miranda I.G., Souza A.M. Arthropod-pests and predators associated with mango orchards in the São Francisco Valley. *6th Brazilian Seminar on Integrated Production of Fruits*, Petrolina, PE, Brazil. ([Link - Portuguese](#)).
- (11) **2004** – Barbosa F.R., Souza E.A., **Bezerra Da Silva C.S.**, Gonçalves M.E.C. Comparison of the occurrence of arthropod-pests and predators of mango in two cultivation systems: Integrated and Organic productions. *6th Brazilian Seminar on Integrated Production of Fruits*, Petrolina, PE, Brazil. ([Link - Portuguese](#)).



- (10) **2004** – Barbosa F.R., Moreira W.A., Souza E.A., Haji F.N., Alencar J.A., **Da Silva C.S.B.** Efficiency of terbufos and carbofuran on the banana weevil borer, *Cosmopolites sordidus*. *3rd International Symposium on Tropical and Subtropical Fruits*, Fortaleza, CE, Brazil.
- (9) **2004** – Barbosa F.R., Santana M.R.S.P., **Bezerra Da Silva C.S.**, Paranhos B.A.J. *Maconellicoccus hirsutus* (Hemiptera: Pseudococcidae): A threat to the Brazilian fruticulture. *20th Brazilian Congress of Entomology*, Gramado, RS, Brazil.
- (8) **2004** – Magalhães E.E., **Bezerra Da Silva C.S.**, Pereira A.V.S., Martins C.A., Cabral C.P., Lopes D.B. Influence of seedling position on the germination of mulungu (*Erythrina vellutina* Wild). *27th Northeastern Meeting of Botantics*, Petrolina, PE, Brazil.
- (7) **2004** – Magalhães E.E., **Bezerra Da Silva C.S.**, Pereira A.V.S., Martins C.A., Cabral C.P., Moreira W.A. Influence of seedling depth on the germination of mulungu (*Erythrina vellutina* Wild). *27th Northeastern Meeting of Botantics*, Petrolina, PE, Brazil.
- (6) **2004** – **Bezerra Da Silva C.S.**, Barbosa F.R., Machado J.C., Kiill L.H.P., Magalhães E.E., Souza E.A. Influence of substrate and seedling depth on the germination of angico [*Anaderanthera macrocarpa* (Benth.) Brenan Leguminosae]. *27th Northeastern Meeting of Botantics*, Petrolina, PE, Brazil.
- (5) **2003** – Barbosa F.R., Souza E.A., **Bezerra Da Silva C.S.**, Moreira W.A., Alencar J.A., Haji F.N. Efficacy of acephate on control of thrips and its effects on natural enemies in mango orchards. *49th Annual Meeting of the Interamerican Society for Tropical Horticulture*, Fortaleza, CE, Brazil.
- (4) **2003** – Barbosa F.R., **Bezerra Da Silva C.S.**, Souza E.A., Souza F.A., Moreira W.A., Alencar J.A., Haji F.N. Biology of *Pleuroprucha asthenaria* (Lepidoptera: Geometridae) in mango blossoms. *8th Biological Control Symposium*, São Pedro, SP, Brazil.
- (3) **2003** – Souza E.A., Barbosa F.R., Costa R.S., Kiill L.H.P., **Bezerra Da Silva C.S.** Rooting of leaves of cowpea beans (*Vigna unguiculata* L. – Leguminosae) under normal temperature conditions in the São Francisco Valley. *26th Northeastern Meeting of Botantics*, Fortaleza, CE, Brazil.
- (2) **2002** – Barbosa F.R., Oliveira J.B.G., Souza E.A., **Bezerra Da Silva C.S.**, Moreira W.A., Alencar J.A., Haji F.N. Effect of cow urine on the control of the guava psyllid (*Triozioida* sp.). *Brazilian Congress of Natural Pesticides*, Fortaleza, CE, Brazil. (Published in Portuguese).
- (1) **2002** – Barbosa F.R., Souza E.A., **Da Silva C.S.B.**, Alencar J.A., Haji F.N.P. Effectiveness of insecticides on the control of thrips in mango trees and effect on natural enemies. *17th Brazilian Congress of Fruticulture*, Belém, PA, Brazil.



10. Instagram Live sessions

(11) **2020** – Professional influencers. Chat with Dr. Candida Lima (@candidabeatrizlima, Uninassau, Juazeiro, Brazil) on career advice to students and early career researchers. **Total time: 1h.**

(10) **2020** – Tools to manage cotton boll weevil. Chat with Dr. Gabriela Silva (@agribela, Agribela Agricultural Solutions, Londrina, Brazil) on IPM strategies to sustainably manage the cotton boll weevil. **Total time: 1h.**

(9) **2020** – Working as an entomologist overseas - Instagram Live Series #7: Exchange graduate student in South Africa. Chat with Dr. Paulo Gimenez (@paulogimz, State University of Londrina, Londrina, Brazil) on his experience as a graduate exchange student in an Entomology Lab in South Africa. **Total time: 1h.**

(8) **2020** – Insect behavior and pest management. Chat with the Group of Studies on Tropical Entomology (@geetrop.estudos_, UniFil, Londrina, Brazil) on how to foster the knowledge on insect behavior to manage pests in the field. **Total time: 1h.**

(7) **2020** – Working as an entomologist overseas - Instagram Live Series #6: Exchange student and postdoc overseas. Chat with Dr. Diego Bastos Silva (@diegobs182, University of São Paulo, Piracaba, Brazil) on his experience as a student and postdoc in the USA and Spain. **Total time: 1h.**

(6) **2020** – Working as an entomologist overseas - Instagram Live Series #5: From academia to industry. Chat with Dr. Kevin Cloonan (@cloonankevin, Research and Development at Trecé, Fresno, CA) on his experience as a researcher and scientist working in the industry of pheromones for pest management. **Total time: 1h.**

(5) **2020** – Working as an entomologist overseas - Instagram Live Series #4: Competing for graduate student positions in the USA and the Netherlands. Chat with Raul Luciano do Carmo (@raulcutan, State University of New York, Buffalo, NY) on his experience as a graduate student applicant, researcher and teaching assistant. **Total time: 2h.**

(4) **2020** – Asian giant hornets. Chat with Dr. Mikhael Marques (@drmikhaelmarques) on the detection of *Vespa mandarinia* in North America and its deadly potential against honeybees. **Total time: 1h.**

(3) **2020** – Working as an entomologist overseas - Instagram Live Series #3: Becoming an Assistant Professor. Chat with Dr. Lauren Diepenbrock (@laurendiepenbrock, University of Florida, Lake Alfred, FL) on her experience as a newly hired assistant professor, mentor and supervisor. **Total time: 1h.**

(2) **2020** – Working as an entomologist overseas - Instagram Live Series #2: Selecting students and postdocs. Chat with Dr. Vaughn Walton (@vaughnwalton, Oregon State University, Corvallis, OR) on his experience as a Professor, mentor and supervisor. **Total time: 1h.**



(1) **2020** – Working as an entomologist overseas - Instagram Live Series #1: From Colombia to Australia and the USA. Chat with Dr. Dalila Rendon (@dalirendon0, Oregon State University, Corvallis, OR) on her experience as a scholar overseas. **Total time: 1h.**

11. Organization of Meetings, Conferences, Extension, and Outreach Events

(16) **2022** - Organizer and moderator of the roundtable "Somewhere over the rainbow: Diversity, equity and inclusion in entomology". *28th Brazilian Congress of Entomology*. Entomological Society of Brazil (SEB). Fortaleza, CE, Brazil. ([Link](#))

(15) **2022** - Organizer and moderator of the roundtable "Spotted-wing drosophila and its parasitoids: Ecology, behavior and management". *28th Brazilian Congress of Entomology*. Entomological Society of Brazil (SEB). Fortaleza, CE, Brazil. ([Link](#))

(14) **2022** - Treasurer of the *28th Brazilian Congress of Entomology*. Entomological Society of Brazil (SEB). Fortaleza, CE, Brazil. ([Link](#))

(13) **2018** – Session “*Drosophila suzukii* management: What have researchers from Asia, Europe, and North America been spotting?”. *9th International IPM Symposium*. Baltimore, MD, USA. **Total time: 1.5h.**

(12) **2017** – Symposium “Improving knowledge and management of spotted wing drosophila in the Pacific Region”. *101st Annual Meeting of the PBESA*, Portland, OR, USA. **Total time: 1.5h.** ([Link](#))

(11) **2015** – **VIII Meeting of beekeepers of the Baianian Concave branch**. UFRB, Cruz das Almas, BA, Brazil. **Total time: 8h.** ([Link](#))

(10) **2015** – **Course on “Molecular tools for identification and quantification of pathogens in bees”**. UFRB, Cruz das Almas, BA, Brazil. **Total time: 8h.** ([Link](#))

(9) **2014** – **XII Seminar on beekeeping and stingless bees**. UFRB, Cruz das Almas, BA. **Total: 20h.** ([Link](#))

(8) **2004** – **VI Seminar on integrated production of fruits**. Embrapa Semiárid, Petrolina, PE. **Total: 8h.**

(7) **2004** – **XXVII Northeastern meeting on Botany**. Embrapa Semiárid, Petrolina, PE, Brazil. **Total: 24h.**

(6) **2004** – **Quarantine pests for the Brazilian agriculture**. Embrapa Semiárid, Petrolina, PE. **Total: 4h.**

(5) **2003** – **IPM in mango orchards**. Embrapa Semiárid, Petrolina, PE, Brazil. **Total time: 8h.**

(4) **2003** – **III Regional congress of biology of the São Francisco Valley**. UPE, Petrolina, PE. **Total: 15h.**



(3) **2003 – Seminar on local development and drought overcome.** Embrapa Semiárido, Petrolina, PE, Brazil. **Total time: 8h.**

(2) **2003 – IV Brazilian symposium on collection and management of rain water.** Embrapa Semiárido, Petrolina, PE, Brazil. **Total time: 8h.**

(1) **2003 – XXIV Brazilian Congress of Nematology.** Embrapa Semiárido, Petrolina, PE, Brazil. **Total: 24h.**

12. Professional Development

(18) **2022 – Integrity and Ethics in Research.** Online Course. Embrapa, Brasília, Brazil. **Total time: 30h.**

(17) **2020 – Empathic and non-violent communication.** Online Course. Tiê Institute, São Paulo, Brazil. **Total time: 6h.**

(16) **2020 – R for entomologists.** Online Course. JJ Consultoria e Serviços, Piracicaba, Brazil. **Total time: 20h.**

(15) **2017 – Training in qPCR and Western Blot.** University of California, Davis, CA, USA.

(14) **2008 – Training on lethal and sublethal effects of pesticides on natural enemies.** Universidad Politécnica de Madrid (ETSIA), Madrid, Spain. **Total time: [800h \(May – Oct 2008\)](#).**

(13) **2008 – II International Workshop on Egg Parasitoids.** University of São Paulo, Piracicaba, SP, Brazil.

(12) **2008 – Advanced Topics in IPM.** Instituto Politécnico de Bragança, Bragança, Portugal.

(11) **2006 – Exploratory data analysis: Multivariate analysis.** State University São Paulo, Jaboticabal, SP, Brazil. **Total time: 120h.**

(10) **2006 – Winter course on genetics.** State University of São Paulo, Jaboticabal, SP, Brazil.

(9) **2005 – Hymenoptera Parasitica: Identification and ecology.** State University of São Paulo, Jaboticabal, SP, Brazil.

(8) **2005 – Biological control agents: Predators, parasitoids and entomopathogens.** State University of São Paulo, Jaboticabal, SP, Brazil.

(7) **2004 – Important quarantine pests for the irrigated fruticulture of the São Francisco Valley.** Embrapa Semi-Árido, Petrolina, PE, Brazil.

(6) **2003 – Harvest and post-harvest of mangoes.** Embrapa Semi-Árido, Petrolina, PE, Brazil.



- (5) **2003** – Introduction to Molecular Genetics. University of Pernambuco, Petrolina, PE, Brazil.
- (4) **2003** – Integrated production of mango with emphasis on detection of pests and pathogens. Embrapa Semi-Árido, Petrolina, PE, Brazil.
- (3) **2003** – Cultivation of seedless citrus for exportation in Brazil. Frutal, Fortaleza, CE, Brazil.
- (2) **2002** – Microbiology: Fungi and bacteria. University of Pernambuco, Petrolina, PE, Brazil.
- (1) **2001** – Monitoring pests and diseases in mango. Embrapa Semi-Árido, Petrolina, PE, Brazil.

13. Service

13.1. Member of ethical and diversity committees

- (2) **2020-2022** – **Member of Embrapa’s National Commission Against Sexual and Moral Harassment (CPPCAM)**. Elected through popular vote to nationally investigate and prevent sexual and moral harassment at Embrapa. Has conducted 120+ hearings with victims, witnesses, and suspects of sexual and moral harassment in the past 2 years.
- (1) **2019** – **SEB Jovem**. Co-founded and coordinated the SEB Jovem, Entomological Society of Brazil's (SEB) working group to celebrate and promote diversity, including race, gender, sexual orientation, age, and religion. Hired and mentored 6 early career researchers to compose SEB Jovem’s team.

13.2. Brazilian Congress of Entomology

- (2) **2021-2022** – **Treasurer of the 2022 Brazilian Congress of Entomology**. Work closely with the Entomological Society of Brazil’s Board of Leaders to manage the financial assets and liabilities related to Latin America’s biggest entomological meeting.

13.3. Member of defense/advisory committee

- (4) **2017** – **ESA Student Presentation Competition Judge** – Pacific Branch Meeting, Portland, OR, USA.
- (3) **2015** – **Defense exam** – B.S. candidate *Eliaber Barros Santos*. Thesis: “Determination of casts in the maribondo-tatu, *Synoeca cyanea* (Hymenoptera: Vespidae: Epiponini)”. UFRB, Cruz das Almas, BA, Brazil.
- (2) **2015** – **Advisory committee** – Ph.D. candidate *Cândida Beatriz Da Silva Lima*. Project title: “Population characterization and identification of the deforming wing virus in *Melipona subnitida* Ducke, 1910 and *M. compressipes fasciculata* (Smith, 1854) (Apidae: Meliponini) from the Piauí state”. UFRB, Cruz das Almas, BA, Brazil.
- (1) **2014** – **Qualification exam** – Ph.D. candidate *Cândida Beatriz Da Silva Lima*. Project title: See above. UFRB, Cruz das Almas, BA, Brazil.



13.4. Simultaneous translations

(2) **2015 – English-Portuguese-English** – “Molecular tools for identification and quantification of pathogens in bees”. Workshop led by *Dr. Stephen Martin* and *Dra. Laura Bettrel* (University of Salford, UK). Audience: 12 graduate students and postdocs. UFRB, Cruz das Almas, BA, Brazil. **Duration: 8h.**

(1) **2014 – English-Portuguese-English** – “Global collapse of honeybees”. Talk by *Dr. Stephen Martin* (University of Salford, UK). Audience: 200 undergraduate and graduate students, researchers and beekeepers. UFRB, Cruz das Almas, BA, Brazil. **Duration: 1.5h.**

13.5. Entomological photography

(2) **2014 – Contributed with 18 images** of natural enemies to the book “Manual for identification of predatory arthropods”, authored by Barbosa F.R & Quintela E.D. Embrapa Rice & Beans, Santo Antonio de Goiás, 60 pages. ISBN: 978-85-7035-362-7. ([Link](#)).

(1) **2005 – Contributed with 39 images** (including main cover picture) of arthropods to the book “*Pests of mango: Monitoring, action threshold, and control*”, edited by Menezes E.A. & Barbosa F.R. Embrapa Semiarid, Petrolina, 149 pages. ISBN: 85-7405-008-3. ([Link](#)).

13.6. Contribution to ESB Instagram account

(1) **2019** – Managed and created posts for the Entomological Society of Brazil’s Instagram account (@seb.entomologia) from March through September 2019. The number of account followers jumped from 300 to 2.500+ followers within this period.

13.7. Ad hoc reviewer

(10) *Scientific Reports*

(9) *Embrapa Publication Committee*

(8) *Environmental Entomology*

(7) *Biological Control*

(6) *Journal of Pest Science*

(5) *Neotropical Entomology*

(4) *Revista Brasileira de Entomologia*

(3) *Entomologia Experimentalis et Applicata*


(2) *Journal of Insect Behavior*

(1) *Comunicata Scientiae*

14. Languages

(4) Portuguese – Native speaker.

(3) English – Fluent.

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- (2) Spanish – Speak and comprehend yet not fluent.
 - (1) French – Beginner.

15. Professional Affiliations

- (4) **2016** – Present – International Society of Chemical Ecology.
- (3) **2014** – Present – Entomological Society of America.
- (2) **2014** – Present – Entomological Society of Brazil.
- (1) **2012** – Present – Brazilian Council of Biologists.

16. Professional references

References will be provided in a separate file upon request.