


Laissa Cavallini dos Santos

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EDUCATION

2018 – Present Master of Science in Entomology - student, Montana State University, MSU, Bozeman, Montana, United States.

2013 Bachelor of Science in Biological Sciences, Sao Paulo State University, UNESP, Jaboticabal, Sao Paulo, Brazil.

2009 Technology Degree in Biofuels at Sao Paulo State Technological College, FATEC, Jaboticabal, Sao Paulo, Brazil.

PROFESSIONAL EXPERIENCE

2018 – Present RESEARCH ASSISTANT at the Wheat Stem Sawfly Lab, MSU, Bozeman, Montana, United States.

- Research on the suitability for nectar access in Montana crop and wildland flowering species and the contribution to longevity and ovarian dynamics of braconid parasitoids that specialize on the wheat stem sawfly;
- Manage *Bracon cephi*, *Bracon lissogaster*, and *Cephus cinctus* colonies.

2018 – 2019 Treasurer at RACooley Entomology Club, MSU, Bozeman, Montana, United States.

August 2017 – December 2018 VISITING/RESEARCH SCHOLAR at the Comparative Biological Risk Assessment Lab, MSU, Bozeman, Montana, United States.

- Manage *Cicindela haemorrhagica* colonies;
- Assist with research on the mortality dynamics of the alfalfa leafcutting bee, *Megachile rotundata*.

2014 – 2017 LAB INTERN at Mitochondrial Biology Lab, FCAV, Jaboticabal, Sao Paulo, Brazil.

- Researched the roles of the alternative oxidase in the development of *Drosophila melanogaster* with genetic deficiencies of mitochondrial Complex IV.
- Researched the efficiency of AOX enzyme rescuing fruit flies with respiratory chain problems;
- Managed *Drosophila melanogaster* colonies;
- Developed good laboratory practices;
- Learned basic molecular biology techniques.

2016 MONITOR at Information Technology Center, FCAV, Jaboticabal, Sao Paulo, Brazil.

- Customer service;
- Troubleshoot computer, mobile and internet problems;
- Drafting documents using Office.

2014 – 2015 DIRECTOR at Junior Company (Cap Jr.), FCAV, Jaboticabal, Sao Paulo, Brazil.

- Developed extension projects in Biological Sciences;
- Developed leadership skills;
- Planned events.

2012 – 2014 LAB INTERN at Applied Insect Ecology Lab, FCAV, Jaboticabal, Sao Paulo, Brazil.

- Researched the damage of *Diatraeae saccharalis* in different development stages of sugarcane and their consequences in productive parameters and technological quality of raw material;
- Designed experiments and managed research materials;
- Developed leadership skills.

2011 – 2012 LAB INTERN at SGS Gravena, Jaboticabal, Sao Paulo, Brazil.

- Managed insect colonies;
- Insect identification.

TEACHING EXPERIENCE

2019 TEACHING ASSISTANT at MSU, Bozeman, Montana, United States - Introduction to Entomology.

2016 Short term course: Techniques for assembly of insectary. Agricultural technical college (CTA), Jaboticabal, Sao Paulo, Brazil.

2016 Short term course: How to use insect traps. Agricultural technical college (CTA), Jaboticabal, Sao Paulo, Brazil.

2016 Short term course: An overview of the insect's world. Agricultural technical college (CTA), Jaboticabal, Sao Paulo, Brazil.

2015 Short term course: Screening, assembling and identification of insects. Agricultural technical college (CTA), Jaboticabal, Sao Paulo, Brazil.

2015 Short term course: Assembly of traps and collection of insects. Agricultural technical college (CTA), Jaboticabal, Sao Paulo, Brazil.

2015. Short term course: Theoretical introduction to the collection, assembly and maintenance of insects. Agricultural technical college (CTA), Jaboticabal, Sao Paulo, Brazil.

2011 VOLUNTEER teacher at "Cursinho Ativo", FCAV, Jaboticabal, Sao Paulo, Brazil. - Taught electrical physics.

PUBLICATIONS

Oral Presentation:

2019 SANTOS, L. C., BENTO, L.M.B., REIS, D.A., HOFLAND, M.L., WEAVER, D.K. The importance of food sources in braconid parasitoid reproductive biology.

2019 SANTOS, L. C., BENTO, L.M.B., REIS, D.A., HOFLAND, M.L., WEAVER, D.K. Potential role of extrafloral nectaries, plus sugar and amino acid nutrients, in the biology of wheat stem sawfly parasitoids.

Poster presentation:

2016 CHIODA, M. M.; SANTOS, L. C.; CAVALARI, K. F.; OLIVEIRA, M. T. Carbohydrate restricted diet affects the development of flies expressing the mitochondrial alternative oxidase. Caxambu, Minas Gerais, Brazil.

2016 SANTOS, L. C.; OLIVEIRA, M. T. The roles of the alternative oxidase in genetic defects of the mitochondrial complex IV in *Drosophila melanogaster*. Jaboticabal, Sao Paulo, Brazil.

2015 SANTOS, L. C.; OLIVEIRA, M. T. Construction of *Drosophila melanogaster* strains expressing constitutively the alternative oxidase. Sao José do Rio Preto, Sao Paulo, Brazil.

2015 RODRIGUES, A. P. C. ; GARCIA, G. S. ; SANTOS, L. C.; CHIODA, M. M. ; CARDOSO, V. B. ; OLIVEIRA, M. T. Use of model organisms and the understanding of DNA structure. Jaboticabal, Sao Paulo, Brazil.

2012 SANTOS, L. C.;KONDA, A. H.;TURCO, L. S.;CAIXETA, D. F. Effect of the addition of benzimidazole on artificial diet in the development of *Pseudoplusia includens* (Walker) (Lepidoptera: Noctuidae). Curitiba, Parana, Brazil.

Magazine:

2013 SANTOS, L. C.; ROSSATO JUNIOR, J. A.; MADALENO, L. L.; FERNANDES, O. A. Damages in diferente locations of the column caused by *Diatraeae saccharalis* and their consequences in productive parameters. Ciência e Tecnologia, v. 5. Jaboticabal, Sao Paulo, Brazil.

COURSES & SPECIAL TRAINING

2019 LRES Research Colloquium. Bozeman, Montana, United States.

2019 International Wheat Stem Sawfly Conference. Fort Collins, Colorado, United States

2016 XXVIII Congress of scientific initiation, Jaboticabal, Sao Paulo, Brazil.

2015 40º SECITAP – Forense Science. Jaboticabal, Sao Paulo, Brazil.

2015 VI BIONATIVA. Use of model organisms and understanding the structure of DNA. Jaboticabal, Sao Paulo, Brazil.

2015 XI Genetics winter course. Jaboticabal, Sao Paulo, Brazil.

2015 XVIII Symposium on Genetics. Sao José do Rio Preto, Sao Paulo, Brazil.

2014 ENGLISH STUDENT at Sprachcaffe, Malta.

2013 Publishing higher impact paper: problems and solutions. Jaboticabal, Sao Paulo, Brazil.

2013 Symposium on sucroenergetic technology and biofuels. Jaboticabal, Sao Paulo, Brazil.

2013 VII Winter course in agricultural entomology. Jaboticabal, Sao Paulo, Brazil.

2013 XXIV Brazilian congress of entomology. Curitiba, Paraná, Brazil.

2010 II Field day on sugarcane cultivars. Jaboticabal, Sao Paulo, Brazil.

2010 IV Winter course in agricultural entomology. Jaboticabal, Sao Paulo, Brazil.

2010 Brazilian sign language workshop - LIBRAS. Jaboticabal, Sao Paulo, Brazil.

LANGUAGE SKILLS

Portuguese: Fluent reading, writing, and speaking.

English Fluent reading, writing, and speaking.