

Curriculum Vitae

Débora Montezano

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Educational Background

Ph.D., Entomology

University of Nebraska-Lincoln (UNL)

Lincoln, Nebraska, USA

October 2015-Present

M.S., Biotechnology

University of Caxias do Sul (UCS)

Caxias do Sul, Rio Grande do Sul, Brasil

2010-2012

Thesis title: Laboratory rearing standardization of *Spodoptera eridania* (Stoll) & *Spodoptera albula* (Walker) aiming to detail biological parameters

B.S., Biological Sciences / B.S., Ed. Biology

University of Caxias do Sul (UCS)

Caxias do Sul, Rio Grande do Sul, Brasil

2006-2010

Relevant Positions

- Graduate Research Assistant – University of Nebraska – Lincoln (UNL)
Department of Entomology
August 2014 – Present

- Environmental Education Teacher - Middle and High School in a private school “Colegio Buriti”
Garopaba, Santa Catarina, Brazil
2013-2014

- Research Scholarship, University of Caxias do Sul – Laboratory of Pest Control

2010-2011 - Project Title - Biological, molecular and morphological characterization of the genus *Spodoptera* Guenee, 1852 (Lepidoptera: Noctuidae), occurring in Brazil.

2012-2013 - Project title - Development of *Spodoptera* pheromones of Soybean- corn-cotton production system in the midwestern region of Brazil as Technical assistant to the integrated pest Management.

- Entomology Research at Embrapa CENARGEN, Project: Development of *Spodoptera* pheromones of soybean-corn-cotton production system in the Midwestern region of Brazil as technical assistance to Integrated Pest Management.
2012
- Research Scholarship, University of Caxias do Sul - Laboratory of Microbiology and Plant Tissue Culture
2006-2010
Project Title: Propagation of high quality seedlings of six ornamental species through micro propagation.
2006-2009
Project Title: Production of bioactive compounds in native species of Solanum
2009-2010
- Research with *Eubaleana australis* in an independent environmental organization. “Instituto Baleia Franca” (Right Whale institute) in Santa Catarina, southern Brazil.
2007

Scholarships & Fellowships

- Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq) – Brazilian Government
2011-2012 (R\$ 28,000)
- Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq) – Brazilian Government
2008-2010 (R\$ 14,000)
- Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq) – Brazilian Government
2006-2007 (R\$ 7,200)

Students Mentored - Undergraduate students

Patricia Pezzi (2010-2012): Undergraduate student in the Institute of Biotechnology – University of Caxias do Sul – Brazil. Project Title: Reproductive parameters of Noctuidae on canola cultivars.

Estágios imaturos de *Spodoptera eridania* (Cramer) (LEPIDOPTERA: NOCTUIDAE). In: XX Encontro de Jovens Pesquisadores e II Mostra de Inovação e Tecnologia, Caxias do Sul. 2012.

Potencial biótico de noctuídeos (Lepidoptera: Noctuidae) cujas larvas foram alimentadas com nabo-forrageiro (*Raphanus sativus* L. var. *oleiferus* Metzg.) e soja (*Glycine max* (L.) Merrill).

2011. In: XIX Encontro de Jovens Pesquisadores e III Mostra de Inovação e Tecnologia, 2011, Caxias do Sul.

Articles (10)

1. Bentivenha, J. P. F., E. L. L. Baldin, **D. G. Montezano**, E. T. Hunt, E. E. Blankenship, S. Paula-Moraes. 2016. Intraguild Competition of Three Noctuid Maize Pests. *Environmental Entomology*. June 2016.
2. Specht, A., **D. G. Montezano**, D. R. Sosa-Gómez, N. M. Barros. 2016. Reproductive potential of *Spodoptera eridania* (Stoll) (Lepidoptera: Noctuidae) in the laboratory: effect of multiple couples and size. *Brazilian Journal of Biology*. Vol 76:2.
3. **Montezano, D. G.**, D. R. Sosa-Gómez, S. V. Paula Moraes, V. F. Roque-Specht, E. Fronza, N. M. Barros, A. Specht. 2015. Immature Development of *Spodoptera dolichos* (Fabricius) (Lepidoptera: Noctuidae). *Neotropical Entomology*. 45: 22-27.
4. Specht, A., J. Iltchenco, E. Fronza, V. F. Roque-Specht, P. C. Luz, **D. G. Montezano**. 2014. Biological aspects of *Tiracola grandirena* (Herrich-Schäffer, 1868) (Lepidoptera: Noctuidae): a polyphagous armyworm. *Brazilian Journal of Biology*. 74: 205-211.
5. **Montezano, D. G.**, A. Specht, D. R. Sosa-Gómez, E. Fronza, P. Pezzi, P. C. Luz, V. F. Roque-Specht, T. M. Bortolin, N. M. Barros. 2014. Biotic potential, fertility and life table of *Spodoptera albula* (Walker) (Lepidoptera: Noctuidae), under controlled conditions. *Anais da Academia Brasileira de Ciências*. 86: 723-732.
6. **Montezano, D. G.**, A. Specht, D. R. Sosa-Gomez, V. F. Roque-Specht, N. M. Barros. 2014. Immature Stages of *Spodoptera eridania* (Lepidoptera: Noctuidae): Developmental Parameters and Host Plants. *Journal of Insect Science*. 14: 238-238.
7. **Montezano, D. G.**, A. Specht, T. M. Bortolin, E. Fronza, D. R. Sosa-Gomez, V. F. Roque-Specht, P. Pezzi, P. C. Luz, N.M. Barros. 2013. Immature stages of *Spodoptera albula* (Walker) (Lepidoptera: Noctuidae): Developmental parameters and host plants. *Anais da Academia Brasileira de Ciências*. 85: 271-284.
8. Filho, I. N., N. C. Vieceli, E. M. Cardoso, E. R. Lovatel, C. F. Gonzati, J. A. Marzoto, **D. G. Montezano**, A. Specht. 2013. Two Generations of Fall Armyworm (Lepidoptera:Noctuidae) Contamination by di-*n*-butylphthalate. *Journal of Toxicology and Environmental Health. Part A*, 76: 973-977.
9. Montezano, D. G., A. Specht, D. R. Sosa-Gomez, V. F. Roque-Specht, N. M. Barros. 2013. Biotic potential and reproductive parameters of *Spodoptera eridania* (Stoll) (Lepidoptera, Noctuidae) in the laboratory. *Revista Brasileira de Entomologia*. 57: 340-347.
10. **Montezano, D. G.** N. C. Vieceli, E. M. Cardoso, E. R. Lovatel, C. F. Gonzati, J. A. Marzoto, I. N. Filho. 2012. Effect of di-*n*-butylphthalate on the development of *Spodoptera frugiperda*. *WIT Transactions on Ecology and the Environment* (on line).

Abstracts published in conference - Posters (18)

1. **Montezano, D. G.**; José P. G. F.; Silvana V. Paula-Moraes; Edson L.L. Baldin; Thomas E. Hunt. Julie Peterson. Video Tracking to Evaluate Behavior Interactions between Fall Armyworm (*Spodoptera frugiperda*) and Corn Earworm (*Helicoverpa zea*) (Lepidoptera: Noctuidae). North Central Branch. Entomological Society of America. 71st Annual Meeting. June 5-8. Cleveland, OH.
2. **Montezano, D. G.**; José P. G. F.; Silvana V. Paula-Moraes; Edson L.L. Baldin; Thomas E. Hunt. Ethogram of fall armyworm (*Spodoptera frugiperda*) and corn earworm (*Helicoverpa zea*): Cannibalisms and predation behavior. 63rd Annual Meeting of the Entomological Society of America November 15-18. Synergy in Science: Partnering for Solutions. Minneapolis, Minnesota. 2015.
3. Specht A.; **Montezano, D. G.**; Fronza, E.; Roque-Specht, V. F.; Luz, P. M. C. Biological Aspects of *Tiracola grandirena* (Herrich-Schäffer) (Lepidoptera: Noctuidae): A Polyphagous armyworm at the individual level. In: XXIV Congresso Brasileiro de Entomologia, Curitiba, Brazil. 2012.
4. Luz, P. M. C.; Fronza, E.; Specht A.; **Montezano, D. G.**; Barros, N. M. Caracterização dos imaturos de *Dargida albilinea* (Hübner, 1821) (Lepidoptera: Noctuidae: Hadeninae). In: XXIV Congresso Brasileiro de Entomologia, Curitiba, Brazil. 2012.
5. **Montezano, D. G.**; Specht, A.; Fronza, E.; Roque-Specht, V. F.; Pezzi, P. P.; Luz, P. M. C.; Sosa-Gomez, D. R.; Barros, N. M. Efeito do tamanho e de múltiplos casais sobre o potencial reprodutivo de *Spodoptera eridania* (Stoll, 1782) (Lepidoptera: Noctuidae). In: XXIV Congresso Brasileiro de Entomologia, Curitiba, Brazil. 2012.
6. **Montezano, D. G.**; Specht, A.; Fronza, E.; Roque-Specht, V. F.; Pezzi, P. P.; Luz, P. M. C.; Sosa-Gomez, D. R.; Barros, N. M. Parâmetros biológicos dos estágios imaturos de *Spodoptera eridania* (Stoll, 1782) (Lepidoptera: Noctuidae), em condições controladas. In: XXIV Congresso Brasileiro de Entomologia, Curitiba, Brazil. 2012.
7. **Montezano, D. G.**; Specht, A.; Barros, N. M. Plantas hospedeiras de *Spodoptera eridania* (Stoll, 1782) (Lepidoptera: Noctuidae). In: XXIV Congresso Brasileiro de Entomologia, Curitiba, Brazil. 2012.
8. Luz, P. M. C.; Fronza, E.; Specht A.; Montezano, D. G.; Iltchenco, J.; Roque-Specht, V. F. Biological aspects of *Tiracola grandirena* (Herrich-Schäffer) (Lepidoptera: Noctuidae) A polyphagous armyworm at the individual level. In: IV Encuentro de Lepidoptera Neotropicales. Montevideo, Uruguay. 2012.
9. Specht, A.; **Montezano, D. G.**; Priscila Maria Colombo da Luz; Barros, N. M.; Pezzi, P. P.; Bortolin, T. M.; Fronza, E.; Sosa-Gomez, D. R. Potencial Biótico, Fertilidade e Tabela De Vida

de *Spodoptera albula* (Walker) Lepidoptera: Noctuidae), Em condições Controladas. 2012. In: IV Encontro de Lepidoptera Neotropicales. Montevideo, Uruguay. 2012.

10. Pezzi, P. P.; Specht, A.; **Montezano, D. G.**; Luz, P. M. C.; Barros, N. M. Estágios imaturos de *Spodoptera eridania* (Cramer) (Lepidoptera: Noctuidae). In: XX Encontro de Jovens Pesquisadores e II Mostra de Inovação e Tecnologia, Caxias do Sul, Brasil. 2012.

11. Luz, P. M. C.; Nascimento Filho, I.; **Montezano, D. G.**; Specht, A. Bioconcentração e efeitos de di-2-etilhexilftalato e di-n-butilftalato no desenvolvimento de *Spodoptera frugiperda*. In: III Simpósio de Biodiversidade - Filosofia da Ciência e a prática científica. Santa Maria, Brasil. 2011.

12. Specht, A.; **Montezano, D. G.**; Pezzi, P. P.; Barros, N. M. Potencial biótico de noctuídeos (Lepidoptera: Noctuidae) cujas larvas foram alimentadas com nabo-forrageiro (*Raphanus sativus* L. var. oleiferus Metzg.) e soja (*Glycine max* (L.) Merrill). In: XIX Encontro de Jovens Pesquisadores e III Mostra de Inovação e Tecnologia. Caxias do Sul, Brasil. 2011.

13. Pontalti Mônica; **Montezano, D. G.** Composição de Grupos de Baleia Franca (*Eubalaena australis*) Avistadas Durante a Temporada de 2009 - 2010. In: IV Congresso Brasileiro de Oceanografia. Torres, Brasil. 2010.

14. Isotton, M.; **Montezano, D. G.**; Echeverrigaray, S. L.; Andrade, L. B. Efeito de benziladenina e sacarose na regeneração direta in vitro de *Begonia rex-cultorum*. In: XVI Encontro de Jovens Pesquisadores. Caxias do Sul, Brasil. 2009.

15. **Montezano, D. G.**; Andrade, L. B.; Echeverrigaray, S. L. Transformação via *A. rhizogenes* em Espécies do Gênero *Solanum*. In: XVI Encontro de Jovens Pesquisadores. Caxias do Sul, Brasil. 2009.

16. **Montezano, D. G.**; Echeverrigaray, S. L.; Andarade L. B. Efeito Do Carvão Ativado e Auxinas no Enraizamento in vitro de mini rosas (*Rosa chinensis* Jacq.). In: XV Encontro de Jovens Pesquisadores. Caxias do Sul, Brasil. 2008.

17. **Montezano, D. G.**; Echeverrigaray, S. L.; Andrade, L. B. Efeito da Benziladenina e da sacarose na micropropagação in vitro de mini rosas (*Rosa chinensis* var.mínima). In: XIV Encontro de Jovens Pesquisadores. Caxias do Sul, Brasil. 2007.

18. **Montezano, D. G.**; Echeverrigaray, S. L.; Andarade L. B. Efeito da sacarose e a interação Benziladenina x giberelina no cultivo in vitro de mini rosas. In: XIV Encontro de Jovens Pesquisadores. Caxias do Sul, Brasil. 2007.

Invited Oral Presentations

- Peterson JA, WR Archibald, D Goulart Montezano, C Oliveira-Hofman, R Steward, V Suárez Victor & KA Mollet. 2016. Agroecosystems Entomology: Conserving beneficial insects and managing resistant pests. Nebraska Extension Eureka! Conference, Lincoln, NE.
- Peterson JA, D Goulart Montezano, C Oliveira-Hofman. From beneficials to pests: understanding insects in agroecosystems for conservation and management. Women in agricultural field. Conference, Grant, NE.

Public & Youth Outreach Events

- Entomology Extravaganza. Attendance 62. February 2016 University of Nebraska – Lincoln
- BugFest. Attendance 325. September 2015 – University of Nebraska – Lincoln
- Nebraska Young Scientists Camp. Attendance 14 high school students. June 2015. Cedar Point, Ogallala, NE
- BugFest. Attendance 300. September 2014 - University of Nebraska – Lincoln
- Bug Badge Girl Scouts of the USA. Attendance 20. May 2016. Kloefkorn Elementary School, Lincoln, NE
- Enders Reservoir State Park BioBlitz. Attendance 35. May 2016. Enders 2016
- Bruner Club Education Table Haymarket Farmers’ Market, Lincoln, NE May – July 2016
- Second Saturday Science Lab: Lady bugs. Attendance 120. UNL State Museum. Morrill Hall. June 2016.

Professional Societies

- Entomological Society of America
- Entomological Society of Brazil
- Zoological Society of Brazil

Reviewing and Editorial

Reviewer for:

- Nature Research Center: *Estimating and modelling the reproductive parameters of Helicoverpa armigera (Hübner) (Lepidoptera: Noctuidae) on 10 canola cultivars* (1)
-
- Sky Journal of Biochemistry Research: Biochemical and nutritional study of dried powder from caterpillars *Imbrasia oyemensis* eaten in west of Côte d’Ivoire (1)