



# Vitor Anunciato

RESEARCH SCIENTIST

402 West State Farm Road, 69101 North Platte, US. Nationality: Brazilian, Birthdate: 10/16/1991

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## About me

I am a Ph.D. student in Crop Protection (Weed Science), expected to graduate by March of 2021. My research scope includes tank-mix interactions, resistant weed management, and data analysis. I have been advised by Dr. Caio A. Carbonari and Co-advisor by Dr. Greg R. Kruger. The title of my thesis for my Master's degree is The Effect of glyphosate on the growth and reproduction of *Digitaria insularis*. My undergraduate focus was in agronomy and I was advised by Dr. Dionísio L. P. Gazziero, in the following lines of research: resistance of weeds to herbicides and weed management in soybeans. I also had experience with Junior Enterprise and Research as an intern, where I found my passion for agronomic research. Since then, I feel very keen to pursue a career in research, science, and industry, dedicating my entire academic life to contribute to those subjects.

## Education

### Universidade Estadual Paulista Júlio de Mesquita Filho

PH.D. IN CROP PROTECTION

- Expected graduation: Mar 2021.

Botucatu, SP, BR

Mar. 2018 - Present

### Universidade Estadual Paulista Júlio de Mesquita Filho

MASTER'S DEGREE IN CROP PROTECTION

Botucatu, SP, BR

Mar. 2016 - Mar. 2016

### École Nationale du Genie de l'Eau et de l'Environnement de Strasbourg

ENVIRONMENTAL MANAGEMENT SPECIALIZATION

Strasbourg, AL, FR

Jul. 2014 - Jul. 2015

### Universidade Estadual de Londrina

BACHELOR DEGREE IN AGRONOMY

Londrina, PR, BR

Mar. 2010 - Mar. 2016

## Working Experience

### Researcher scholar - Pesticide Application Technology LAB (University of Nebraska-Lincoln)

FUNCTIONS: DEVELOP RESEARCH PROJECTS, STATISTICAL ANALYSIS, ARTICLES PRODUCTIONS AND ASSIST GRADE/UNDERGRAD

STUDENTS IN THEIR PROJECTS.

- Results: Helped in Dicamba field drift studies, studies of weed management, and physical-chemical tank-mix interactions with technology application parameters. Also the production of my Dissertation still in progress: Statistical analysis of herbicide interactions in the tank mixture.

North Platte, NE, US

Mar. 2020 - to present

### Grade Student - Universidade Estadual Paulista Júlio de Mesquita Filho

FUNCTIONS: FUNCTIONS: DEVELOP RESEARCH PROJECTS, STATISTICAL ANALYSIS, ARTICLES PRODUCTIONS AND ASSIST

GRADE/UNDERGRAD STUDENTS IN THEIR PROJECTS.

- Results: Conducted studies of weed management in Brazil and the physical properties of adjuvants in an herbicide tank mixture, resulting in five articles and one book chapter, my thesis, and also various abstracts and presentations at scientific meetings.

Botucatu, SP, BR

Mar. 2016 - Feb. 2020

### Consulting assistant - SIGA Consultoria agrícola

FUNCTIONS: MONITORING WEEDS AND RECOMENDANTION OF PESTICIDES.

- Results: In addition to the field and laboratory activities, I also created the company's visual identity, developing document templates and presentations.

Londrina, PR, BR

Jun. 2015 - Feb. 2016

## Research scholar - CIRAD (Département Performances des systèmes de production et de transformation tropicaux)

Montpellier, LR, FR

FUNCTIONS: IMPROVEMENTS IN TROPICAL AGRICULTURE MODEL SARRA-H.

Feb. 2014 - Jun. 2016

- Results: I adapted the model for the Brazilian and Africa scenario, I also translated the site and user manuals for users of the Sarra-H model from French into Portuguese, facilitating its use by Portuguese speakers.

## Internship - CAPES (Coordenação de Aperfeiçoamento de Pessoal de Nível Superior)

Londrina, PR, BR

FUNCTIONS: CONDUCT RESEARCH PROJECTS AND ASSIST GRADUATE STUDENTS.

Mar. 2010 - Jun. 2013

- Results: I assisted in weed control and cover crop management projects, resulting in two book chapters, an article, and some abstracts and presentations at scientific meetings.

## Assistant | Marketing Director | Projects Director - CONSOAGRO (Empresa Jr. de Agronomia da Universidade Estadual de Londrina)

Londrina, PR, BR

FUNCTIONS: ASSISTANCE IN AGRONOMIC EVENTS AND ASSIST IN AGRICULTURAL PROJECTS.

Mar. 2010 - Apr. 2014

- Results: My team developed all the marketing, social media, website, and standard arts of the company. In the project section, my team structured the company's social projects and we were also responsible for the first technical consultancy carried out by the junior company.

## Publications

### JOURNAL PAPERS

Bianchi, L., Anunciato, V. M., Gazola, T., Perissato, S. M., Carvalho Dias, R. de, Tropaldi, L., Carbonari, C. A., & Velini, E. D. (2020). Effects of glyphosate and clethodim alone and in mixture in sourgrass (*digitaria insularis*). *Crop Protection*, 138, 105322.

Bianchi, L., Perissato, S. M., Anunciato, V. M., Dias, R. C., Gomes, D. M., Carbonari, C. A., & Velini, E. D. (2020). Stimulation action of mefenpyr-diethyl on soybean, wheat, and signal grass plants. *Journal of Environmental Science and Health, Part B*, 0(0), 1–5. <https://doi.org/10.1080/03601234.2020.1853459>

Carvalho Dias, R. de, Tropaldi, L., Bianchi, L., Anunciato, V. M., Gomes, D. M., Carbonari, C. A., & Velini, E. D. (2020). EFEITO DO SELÊNIO COMO PROTETOR QUÍMICO NA SELETIVIDADE INICIAL DE HERBICIDAS APLICADOS EM PÓS EMERGÊNCIA DE *urochloa decumbens*. *Revista Brasileira de Herbicidas*, 19(2), 710–711.

Dias, R. C., Gomes, D. M., Anunciato, V. M., Bianchi, L., Carbonari, C. A., & Velini, E. D. (2020). Herbicides selectivity on seedlings of white leadtree (*leucaena leucocephala*). *Científica*, 48(1), 56–66.

Dias, R. C., Gomes, D. M., Anunciato, V. M., Bianchi, L., Simões, P. S., Carbonari, C. A., & Velini, E. D. (2019). Seleção de espécies bioindicadoras para o herbicida indaziflam. *Revista Brasileira de Herbicidas*, 18(2), 650–651.

Meschede, D. K., Silva, F. E. da, Fernandes, D., Oliveira, E. C., Moraes Gomes, M. de, & Anunciato, V. M. (2015). Absorption and translocation tolerance of glyphosate. *African Journal of Agricultural Research*, 10(52), 4738–4747.

### BOOK CHAPTERS

Gazola, T.; Anunciato, V. M.; Dias, R. C.; Bianchi, L.; Moraes, C. P.; Ferrari, J. L. . MECANISMOS DE AÇÃO DE HERBICIDAS E IDENTIFICAÇÃO DE PLANTAS DANINHAS. In: Edson Luiz Lopes Baldin; Adriana Zanin Kronka; Ivana Fernandes da Silva. (Org.). INOVAÇÕES EM MANEJO FITOSSANITÁRIO. 1ed. Botucatu: Fundação de Estudos e Pesquisas Agrícolas e Florestais, 2017, v. 1, p. 5-225.

Gazziero, D.L.P.; Santos, A.M.B.; Adegas, F.S.; Anunciato, V.M.. LOSNA BRANCA RESISTENTE AO HERBICIDAS INIBIDORES DA ALS. In: Vargas, L., Agostinetto, D.. (Org.). Resistência de Plantas Daninhas a Herbicidas no Brasil. 1ed. Pelotas: Pelotas: UFPel, 2014, v. 1, p. 7-383.

Gazziero, D.L.P.; Santos, A.M.B.; Adegas, F.S.; Anunciato, V.M.; Karam, D.. BIÓTIPOS DE PICÃO-PRETO (*Bidens subalternans*) RESISTENTES A ATRAZINE. In: Vargas, L., Agostinetto, D.. (Org.). Resistência de plantas daninhas a herbicidas no Brasil. 1ed. Pelotas: Pelotas: UFPel, 2014, v. 1, p. 7-383.

## Skills

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<b>Data Science</b>	R (advanced)
<b>Reproducible Report</b>	Markdown/Rmarkdown, R shiny apps
<b>Quantitative Research</b>	Dose response curve, Colby analysis, t-test, ANOVAs/ANCOVAs/MANOVAs/MANCOVAs, Regressions, Factor Analysis, PCA, Unsupervised/Supervised Machine Learning
<b>Languages</b>	Portuguese/English/French

## Service

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### Crop Protection

REVIEWER

ISSN: 0261-2194

2020

### Revista Brasileira de Herbicidas

REVIEWER

ISSN: 2236-1065

2018

### Agrarian

REVIEWER

e-ISSN: 1984-2538

2019

### PapoAgro podcast

HOST

Online

2019

### Serial Weed Killer

BLOGUER

[serialweedkiller.netlify.app/](https://serialweedkiller.netlify.app/)

2019

## References

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- Senior Weed Scientist Smart Sprayer Greg R. Kruger, University of Nebraska-Lincoln. West Central Research and Extension Center. 402 West State Farm Road, North Platte, NE, 69101. Phone: +1 308-530-8942.
- Professor Caio A. Carbonari, Universidade Estadual Paulista Júlio de Mesquita Filho, Fazenda Experimental Lageado, CEP 18610-034, Botucatu, SP, Brazil. Phone: +55 14 991145170, [carbonari@fca.unesp.br](mailto:carbonari@fca.unesp.br)
- Professor Edivaldo D. Velini, Universidade Estadual Paulista Júlio de Mesquita Filho, Fazenda Experimental Lageado, CEP 18610-034, Botucatu, SP, Brazil. Phone: +55 14 998363372, [velini@uol.com.br](mailto:velini@uol.com.br)
- Researcher Dionísio L. P. Gazziero, Empresa Brasileira de Pesquisa Agropecuária (EMBRAPA Soja), Rd Carlos João Strass, s/nº CEP: 86001-970, Londrina, PR, Brazil. Phone: +55 43 99948062, [dionisio.gazziero@embrapa.br](mailto:dionisio.gazziero@embrapa.br).

