Vitor **Muller Anunciato**

POSTDOCTORAL RESEARCH SCIENTIST

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

+1 402-853-3893 | ✉ vitor.muller@gmail.com | vitoranunciato | in vitoranunciato | 🐦 vitor_anunciato

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, pesticide application technology, and data analysis. I have been advised in my Ph.D. 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 *Botucatu, SP, BR*
PH.D. IN CROP PROTECTION *Mar. 2018 - Present*
- Expected graduation: Mar 2021.

Universidade Estadual Paulista Júlio de Mesquita Filho *Botucatu, SP, BR*
MASTER'S DEGREE IN CROP PROTECTION *Mar. 2016 - Mar. 2016*
- Thesis title: The Effect of glyphosate on the growth and reproduction of Digitaria insularis

École Nationale du Genie de l'Eau et de l'Environnement de Strasbourg *Strasbourg, AL, FR*
ENVIRONMENTAL MANAGEMENT SPECIALIZATION *Jul. 2014 - Jul. 2015*
- Funding CAPES / BraFagri (Brazil and France university partnership for high-performing students)

Universidade Estadual de Londrina *Londrina, PR, BR*
BACHELOR DEGREE IN AGRONOMY *Mar. 2010 - Mar. 2016*
- Final work title: Manejo de dessecaçãp e pós emergente para controle de Digitaria insularis.

Working Experience

Researcher scholar - Pesticide Application Technology LAB (University of Nebraska-Lincoln) *North Platte, NE, US*
FUNCTIONS: DEVELOP RESEARCH PROJECTS, STATISTICAL ANALYSIS, ARTICLES PRODUCTIONS AND ASSIST GRADE/UNDERGRAD STUDENTS IN THEIR PROJECTS. *Mar. 2020 - to present*
- Results: Helped in Dicamba field drifty 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.

Grade Student - Universidade Estadual Paulista Júlio de Mesquita Filho *Botucatu, SP, BR*
FUNCTIONS: FUNCTIONS: DEVELOP RESEARCH PROJECTS, STATISTICAL ANALYSIS, ARTICLES PRODUCTIONS AND ASSIST GRADE/UNDERGRAD STUDENTS IN THEIR PROJECTS. *Mar. 2016 - Feb. 2020*
- 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 posters and presentations at scientific meetings.

Consulting assistant - SIGA Consultoria agrícola *Londrina, PR, BR*
FUNCTIONS: MONITORING WEEDS AND RECOMENDANTION OF PESTICIDES. *Jun. 2015 - Feb. 2016*
- Results: In addition to the field and laboratory activities, I also created the company's visual identity, developing document templates and presentations.

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 posters 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

PEER-REVIEWED PUBLICATIONS

Bianchi, L., Anunciato, V. M., Gazola, T., Perissato, S. M., Carvalho Dias, R. de, Tropaldi, L., … 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., Olveira, 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.

Selected Professional Presentations and Posters

Interaction between clethodim and dicamba in control of volunteer corn.

75 North Central Weed Science Society Meeting
2020, Online.

ANUNCIATO, V. M. ; MACEDO, G. C. ; DORETTO, D. A. ; CARBONARI, C. A. ; GOLUS, J. A. ; KRUGER, G. R. .

- NCWSS Proceedings, 2020.

Influence of Boom Height on Spray Drift of Herbicides Application.

75 North Central Weed Science Society Meeting
2020, Online.

TAVARES, A. A. C. ; ALVES, G. S. ; OLIVEIRA, J.V. ; OLIVEIRA, R. B. ; ANUNCIATO, V. M. ; KRUGER, G. R. .

- NCWSS Proceedings, 2020.

Influence of Temperature on Droplet Size and Physical-chemical Properties of Glufosinate Tank-mixtures With Different Adjuvants.

75 North Central Weed Science Society Meeting
2020, Online.

OLIVEIRA, J.V. ; TAVARES, A. A. C. ; ANUNCIATO, V. M. ; POLI, E. G. ; OLIVEIRA, R. B. ; KRUGER, G. R. .

- NCWSS Proceedings, 2020.

Influence of droplet size in control of velvetleaf and lambsquarter treated with fomesafen

75 North Central Weed Science Society Meeting
2020, Online.

ANUNCIATO, V. M. ; TAVARES, A. A. C. ; OLIVEIRA, J.V. ; MORAES, J. G.; CARBONARI, C. A. ; KRUGER, G. R. .

- NCWSS Proceedings, 2020.

Soybean Symptomology and Yield Response to Sub-Labeled Doses of 2,4-D and Dicamba as Influenced by Varieties.

MORAES, J.G.; ANUNCIATO, V.M. ; GOLUS, J. A. ; SCHROEDER, K.P. ; KRUGER, G. R. .

- NCWSS Proceedings, 2020.

75 North Central Weed Science Society Meeting
2020, Online.

Interactions of Clethodim and Dicamba on Glyphosate-Resistant Volunteer Corn Control.

DORETTO, D. A. ; MACEDO, G. C. ; CORREA, P. H. A. ; BENETON, K. ; ANUNCIATO, V. M. ; GOLUS, J. A. ; KRUGER, G. R. .

- NCWSS Proceedings, 2019.

74 North Central Weed Science Society Meeting
2019, Columbus, OH.

Effect of Adjuvant Rates on Dicamba Physicochemical Properties and its Correlation with Droplet Size.

MACEDO, G. C.; MORAES, J. G. ; ANUNCIATO, V. M. ; OBEAR, G. R. ; SEXTON, F. ; KRUGER, G. R. .

- NCWSS Proceedings, 2019.

74 North Central Weed Science Society Meeting
2019, Columbus, OH.

Influence of Glufosinate and Dicamba in Tank-Mixtures on Weed Control.

CORREA, P. H. A. ; MACEDO, G. C. ; MORAES, J. G. ; ANUNCIATO, V. M. ; KRUGER, G. R. .

- NCWSS Proceedings, 2019.

74 North Central Weed Science Society Meeting
2019, Columbus, OH.

Influence of Dicamba, Glufosinate and Glyphosate Tank-Mixtures on Weed Control as Affected by Herbicide Rates.

MACEDO, G. C.; MORAES, J. G. ; ANUNCIATO, V. M. ; GOLUS, J. A. ; KRUGER, G. R. .

- NCWSS Proceedings, 2019.

74 North Central Weed Science Society Meeting
2019, Columbus, OH.

Book Chapters

MECANISMOS DE AÇÃO DE HERBICIDAS E IDENTIFICAÇÃO DE PLANTAS DANINHAS.

GAZOLA, T. ; ANUNCIATO, V. M. ; DIAS, R. C. ; BIANCHI, L. ; MORAES, C. P. ; FERRARI, J. L. .

- 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.
2017

LOSNA BRANCA RESISTENTE AO HERBICIDAS INIBIDORES DA ALS.

GAZZIERO, D.L.P.; SANTOS, A.M.B.; ADEGAS, F.S.; ANUNCIATO, V.M..

- In: Vargas, L. , Agostinetto, D.. (Org.). Resistência de Plantas Daninhas a Herbicidas no Brasil.

1ed.Pelotas: Pelotas: UFPel, 2014, v. 1, p. 7-383.
2014

BIÓTIPOS DE PICÃO-PRETO(Bidens subalternans) RESISTENTES A ATRAZINE.

GAZZIERO, D.L.P.; SANTOS, A.M.B.; ADEGAS, F.S.; ANUNCIATO, V.M.; KARAM, D..

- In: Vargas, L. , Agostinetto, D.. (Org.). Resistência de Plantas Daninhas a Herbicidas no Brasil.

1ed.Pelotas: Pelotas: UFPel, 2014, v. 1, p. 7-383.
2014

Others publications

Posters and oral presentation in scientific meetings
One square:one publication

Main topic of studies

- Weed Management (48.0%)
- Weed Biology (10.0%)
- Herbicide Selectivity (14.0%)
- Application Technology (28.0%)

% of the theme relative to the total of publications.

Extension publications

Extension publications
One square:one extension publication

Main topic of extension publication

- Crop protection (57%)
- Crop production (43%)

% of the theme relative to the total of publications.
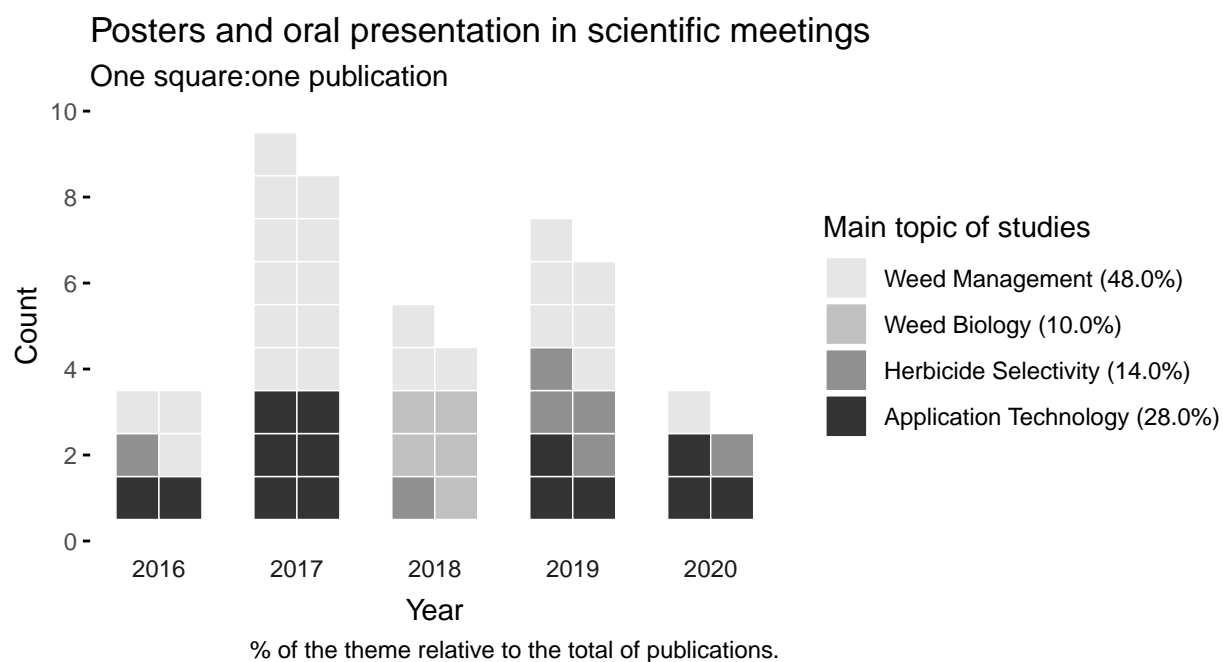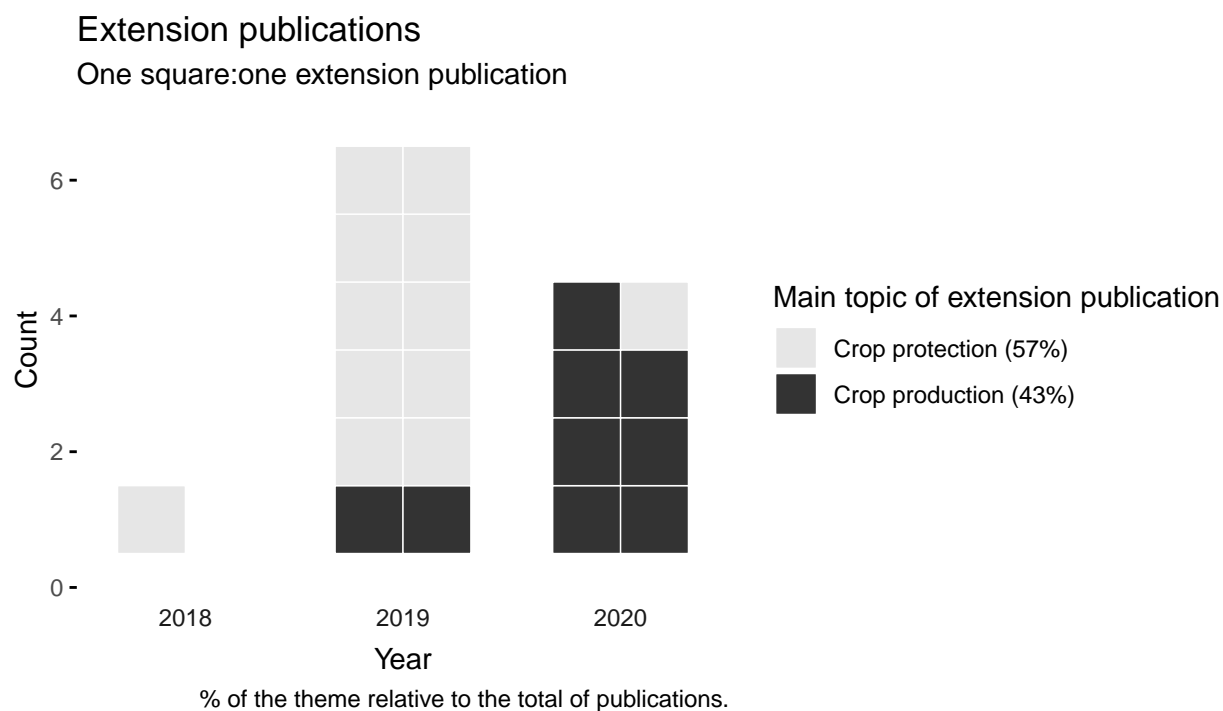
Skills

Data Science	R (advanced)
Reproducible Report	Markdown/Rmarkdown, R shiny apps
Quantitative Research	Dose response curve, Colby analysis, t-test, ANOVAs/ANCOVAs/MANOVAs/MANCOVAs, Regressions, Factor Analysis, PCA, Unsupervised/Supervised Machine Learning
Languages	Portuguese/English/French
Chromatography	basic knowledge of methodologies for extraction and quantification (HPLC MS/MS) of herbicides in plants and soil

Service

Crop Protection   *ISSN: 0261-2194*

REVIEWER   *2020*

- Peer Reviews: 1

Revista Brasileira de Herbicidas   *ISSN: 2236-1065*

REVIEWER   *2018*

- Peer Reviews: 3

Agrarian   *e-ISSN: 1984-2538*

REVIEWER   *2019*

- Peer Reviews: 1

PapoAgro podcast   *papoagro.com.br*

HOST   *2019*

- ±48 hours of published audio

Serial Weed Killer Agri-scientifical outreach   *serialweedkiller.netlify.app/*

BLOGUER   *2019*

- 37 scientific posts

Notes

- This CV is reproducible; all the source code behind this CV is available on this GitHub repo.