

Maxwel Coura Oliveira

ASSOCIATE RESEARCHER - WEED SCIENTIST

University of Wisconsin - Madison

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Education

Ph.D. in Agronomy (Weed Science) · University of Nebraska-Lincoln December 2017

Dissertation: Evolution of HPPD-inhibitor herbicide resistance in a waterhemp (*Amaranthus tuberculatus* var. *rudis*) population from Nebraska, USA

Advisor: Dr. Stevan Knezevic, *Co-advisor:* Dr. Todd Gaines, Dr. Amit Jhala

MSc. in Plant Science (Weed Science) · Federal University of Jequitinhonha and Mucuri Valleys July 2013

Thesis: Competitive ability of corn with *Commelina benghalensis* and *Richardia brasiliensis*

Advisor: Dr. José B Santos

BSc. in Agronomy · Federal University of Jequitinhonha and Mucuri Valleys July 2011

Thesis: Composition and extraction of minerals in forage grass in a previously soil waste urban deposit area

Advisor: Dr. Karina G. Ribeiro

Professional experiences

UNIVERSITY OF WISCONSIN-MADISON

Research Associate/Data analyst, WiscWeeds Lab · Remote Jan 2020 - Current

- Writing manuscripts/grants
- Mentoring graduate students
- Data analysis/modeling

Postdoctoral Research Associate, WiscWeeds Lab · Madison · WI · USA Jan 2018 - Dec 2019

- Research focus on weed management on corn, soybeans and industrial hemp
- Investigations on herbicide resistance weeds in Wisconsin
- Train the Wisconsin Weed Science Team
- Mentoring graduate/undergraduate students
- Writing manuscripts/grants
- Extension talks and activities
- Field herbicide efficacy trials
- Data analysis/modeling

WESTERN SÃO PAULO UNIVERSITY

Assistant Professor · Presidente Prudente · SP · Brazil Feb 2020 - Feb 2021

- Teaching to graduate and undergraduate levels
- Research on weed management strategies in dry land

UNIVERSITY OF NEBRASKA-LINCOLN

Graduate Research Assistant, Knezevic Lab · Concord/Lincoln · NE · USA Jan 2014 to Dec 2017

- Herbicide resistance/weed ecology studies: field, greenhouse, and laboratory
- Field herbicide efficacy trials
- Extension talks and activities
- Data analysis/modeling

TIMAC AGRO BRASIL

Sales Management Trainee Paragominas · PA · Brazil

Jan to June 2013

- Sales prospecting/marketing
- Talent acquisition
- Training

FEDERAL UNIVERSITY OF JEQUITINHONHA AND MUCURI VALLEYS (UFVJM)

Graduate Research Assistant, Diamantina · MG · Brazil

July 2011 to Dec 2012

- Research on weed biology/ecology studies
- Herbicide ecotoxicology

Undergraduate Research Assistant, Diamantina · MG · Brazil

Mar 2006 to July 2011

- Fate of herbicide in soils
- Forage grass for soil health

THE OHIO PROGRAM

Undergraduate Senior Trainee, OH · USA

April 2010 to March 2011

- Farm assistant in vegetable/orchard at Long's Family Farm in Commerce, MI, USA
- Greenhouse assistant in hydroponic tomatoes at Intergrow Greenhouses in Albion, NY, USA

PULVERIZA FERTILIZANTES

Undergraduate Junior Trainee, Matipó · MG · Brazil

July 2009

- Assisted in foliar fertilizer manufacturing

EMATER MG

Undergraduate Intern, Santana do Paraíso · MG · Brazil

July 2008

- Assisted on consulting and extension activities to small vegetables growers

Research qualifications and skills

LABORATORY

- Experience on liquid and gas chromatography mass spectrometry (LC- and GC-MS), spectrophotometer, gene sequencing, expression, and molecular markers

GREENHOUSE AND FIELD

- Experiment setup and design, resistance screening, grading, dose response, herbicide efficacy, herbicide selectivity, crop safety, herbicide dissipation in the soil, carryover, herbicide synergism, integrated weed management, and cover crops

DATA ANALYSIS/MODELING

- High skills in data analysis using different packages from R and Rstudio: blog, presentations, reports, books, manuscripts, data visualization, maps, ANOVA, linear and non-linear models, mixed models, machine learning, and others
- Advance in LaTeX, Markdown, and GitHub
- Intermediate in SAS, Terminal, and HTML/CSS

INTERPERSONAL AND COMMUNICATION SKILLS

- Ability to work, collaborate and communicate effectively (problem solving) with people from different backgrounds and cultures

LANGUAGES

- Portuguese (Native)
- English (Fluent)
- Spanish (Intermediate)

CERTIFICATIONS

- Pesticide applicator license March 2018
Issue by Wisconsin Department of Agriculture
- Teaching and tidyverse instructor certification February 2021
Issue by Rstudio

Teaching, mentoring, leadership and services

TEACHING

- Programming in R, Western São Paulo University Fall 2019/2020
- Weed Biology and Management, Western São Paulo University Spring/Fall 2020
- Wheat, Western São Paulo University Spring/Fall 2020
- Weeds Contest Preparation, *University of Wisconsin-Madison* Spring 2018
- Invasive Plants Lab (*Teaching Assistant*), *University of Nebraska-Lincoln* Spring 2016/2017
- Weed Biology and Management Lab (*Teaching Assistant*), *UFVJM* Spring 2011
- Crop Improvement Lab (*Teaching Assistant*) *UFVJM* Spring/Fall 2009

MENTORING AND STUDENT SUPERVISION

- Michele Cardoso Santos, Undergraduate Lab Assistant · Western São Paulo University 2020/21
- Diogo Mendonça Rodrigues Lemos, MSc · Western São Paulo University 2020/21
- Wilson Geraldo Pereira Neto, MSc · University of São Paulo 2020/21
- Victor Hugo Vidal Ribeiro, MSc · University of Wisconsin-Madison 2018-20
- Sarah Striegel, MSc · University of Wisconsin-Madison 2018-20
- Haleigh Ortmeier-Clarke, MSc · University of Wisconsin-Madison 2019/20
- Kolby Grint, MSc · University of Wisconsin-Madison 2019/20
- Felipe Faleco, MSc · University of Wisconsin-Madison 2019/20
- Nikola Arsenijevic, MSc · University of Wisconsin-Madison 2019
- Lina Liu, Undergraduate Lab Assistant · University of Wisconsin-Madison 2018
- David Wang, Undergraduate Lab Assistant · University of Wisconsin-Madison 2018
- Pavle Pavlovic, Undergraduate Research Assistant · University of Nebraska-Lincoln 2017
- Amanda Wistead, Undergraduate Research Assistant · University of Nebraska-Lincoln 2014/15
- Ícaro Freitas, Undergraduate Research Assistant · University of Nebraska-Lincoln 2014
- Sergio Gonçalves Oliveira, Undergraduate Research Assistant · University of Nebraska-Lincoln 2014
- Kyle Kardell, Undergraduate Research Assistant · University of Nebraska-Lincoln 2014

SERVICES

- Founder and creative director, Open Weed Science - <https://www.openweedsci.org/>
- Podcast interviews
 - Knowing the herbicides - [Link](#)
 - Herbicide mode of action (Pigment inhibitors) - [Link](#)

- Ad-hoc Reviewer for Weed Research, Pest management Science, Agronomy, Weed Science, Journal of Agricultural Science, Crop Protection, Plos one, Scientia Agricola, Chemosphere, Planta daninha
- Assistant Editor for Colloquium Agrariae Journal
- Poster judge for 2019 Weed Science Society of America Meeting, New Orleans, LA
- Poster judge for North Central Weed Science Society Meeting, 2018/19/20
- Grader for North Central Weed Science Society Weeds Contest, 2018/19
- Program Chair of the 2018 North Central Weed Science Society Meeting Milwaukee, WI
- Staff of Wisconsin Weed Science Field Day, Arlington and Lancaster · WI · USA, 2018
- Field staff organization of Flaming Weed Control Workshop, Concord · NE · USA, 2014/15/16/17
- Staff of II Seminar of Forage and Rangeland Sciences, Diamantina · MG · Brazil, 2009
- Staff of I Seminar of Engineers, Diamantina · MG · Brazil, September 2009