Maxwel Coura Oliveira, PhD

Pesquisador Associado, Universidade de Wisconsin-Madison 1575 Linden Drive · Departamento de Agronomia · Madison, Wisconsin, EUA 53706

EDUCAÇÃO

• *Universidade de Nebraska-Lincoln*, Ph.D. Agronomia (Planta daninha)

Dez 2017

- Universidade Federal dos Vales do Jequitinhonha e Mucuri, MSc. Produção vegetal (Planta daninha) Jul 2013
- Universidade Federal dos Vales do Jequitinhonha e Mucuri, BSc. Agronomia

Jul 2011

EXPERIÊNCIA PROFISSIONAL

- Pesquisador Associado, WiscWeeds Lab · Universidade de Wisconsin-Madison · Madison · WI · EUA Jan 2018
- Objetivo: realizar pesquisa inovadora e colaborativa e de extensão em biologia, ecologia e manejo de ervas daninhas problemáticas em milho, soja e cânhamo sob a supervisão do Dr. Rodrigo Werle
- Doutoramento, Knezevic Lab Universidade de Nebraska-Lincoln, Lincoln · NE · USA Jan, 2014 to Dez 2017

Objetivo: Pesquisa de doutorado em Sistemas de Produção, Biologia e Ecologia de Plantas Daninhas, Manejo Integrado de Plantas Daninhas, Evolução da Resistência a Herbicidas e ensaios de eficácia de herbicidas sob a supervisão do Dr. Stevan Knezevic

- Trainee, TIMAC Agro · Paragominas · PA · Brasil Jan to Jun 2013 Objetivo: Treinado para ser um supervisor de equipe de vendas de fertilizantes, aquisição de talentos e marketing
- Mestrado, Universidade Federal dos Vales do Jequitinhonha e Mucuri · Diamantina · MG · Brazil Jul 2011 to Dez 2012

Objetivo: Mestrado em biologia, competição e manejo integrado de ervas daninhas sob supervisão do Dr. José Barbosa dos Santos

- Estágio internacional, The Ohio Program · OH · EUA Abr 2010 to Mar 2011 Objetivo: Mão de fazenda em uma fazenda de vegetais em Michigan (EUA) e assistente em uma estufa de tomate hidropônico em Nova York, EUA
- Estágio, Pulveriza Fertilizers · Matipó · MG · Brazil Jul 2009 Objetivo: trabalho em uma industria de fertilizantes foliares para milho, soja e café
- Coordenador, CREA Jr · Diamantina · MG · Brazil Jan to Dez 2009 Objetivo: Liderar o clube para estudantes, conectar estudantes a engenheiros profissionais, organizar seminários, atrair novos membros
- Estágio, EMATER MG · Santana do Paraíso · MG · Brasil Jul 2008 Objetivo: trabalho de extensão com pequenos produtores rurais

ENSINO

- Universidade de Wisconsin-Madison, Peparação para o Camp de Herbologia Primavera 2018
- Universidade de Nebraska-Lincoln, Lab de Plantas Invasoras

Primavera 2016/2017

- Universidade Federal dos Vales do Jequitinhonha e Mucuri, Lab de Plantas Daninhas Primavera 2011
- Universidade Federal dos Vales do Jequitinhonha e Mucuri, Lab de Melhoramento Genético Primavera/Outono 2009

PESQUISADOR VISITANTE

- ullet Universidade de Illinois Urbana-Champaign \cdot IL \cdot EUA Setembro 2017 Pesquisa sobre mecanísmo de resistência de *Amaranthus palmeri* para herbicidas inibidores da PPO sob supervisão de Dr. Pat Tranel
- *Universidade do Estado do Colorado–Fort Collins* · CO · EUA Maio 2017 Pesquisa no lab sobre resistencia de *Amaranthus tuberculatus* aos herbicidas inibidores da HPPD sob supervisão de Dr. Todd Gaines
- *Universidade do Estado do Colorado–Fort Collins* · CO · EUA Setembro 2016 Pesquisa no lab sobre fisiologia dos hebricidas inibidores da HPPD em *Amaranthus tuberculatus* sob supervisão de Dr. Franck Dayan
- *Universidade Federal de Viçosa-Viçosa* · MG · Brasil Agosto 2012 à Dezembro 2012 Pesquisa no campo, lab e estufas com comportamento de herbicidas no solo e manejo de plantas daninhas sob supervisão do Dr. Antonio Alberto Silva

HONRAS ACADÊMICAS E PRÊMIOS

- Congresso da North Central Weed Science Society, Saint louis · MO · EUA

 Dez 2017

 Melhor Apresentação de Poster (Resistência de Plantas Daninhas)
- Competição da North Central Weed Science Society, Ames · IA · EUA Jul 2017 Primeiro Colocado Time e Primeiro Colocado Individual em Identificação de Herbicidas
- *Universidade de Nebraska-Lincoln*, Lincoln · NE · EUA Mar 2017 Travel Grant (\$400) to attend the 2017 Global Herbicide Resistant Conference
- Campeonato de Herbologia da North Central Weed Science Society, West Laffayete · EUA Jul 2016 Terceiro Colocado Time
- Congresso da Weed Science Society of America, San Juan · PR

 Primeiro Colocado Poster (Biologia de Plantas Daninhas)
- Campeonato de Herbologia da Western Weed Science Society, Columbus · OH · EUA Julho 2015 Terceiro Colocado Time e Terceiro Colocado individual
- Instituto Educacional Mayrink Vieira, Ipatinga · MG · BRA Set 2002 Melhor projeto da feira de ciências
- Instituto Educacional Mayrink Vieira, Ipatinga · MG · BRA Set 2001 Melhor projeto da feira de ciências

MEMBRO DE SOCIEDADES PROFISSIONAIS

- Weed Science Society of America
- North Central Weed Science Society

MANUSCRITOS EM PREPARAÇÃO

- Oliveira MC, Butts T, Conley S, and Werle R. Tolerance of US Midwest Soybean Cultivars to Preemergent Applications of Metribuzin and Sulfentrazone. Target Journal: *Weed Technology*
- Oliveira MC, Giacomini D, Tranel P, and Werle R. Molecular and greenhouse validation of field evolved resistance to glyphosate and PPO-inhibitors in Nebraska. Target Journal: *Pest Management Science*
- Werle R, **Oliveira MC**, and Butts L (2019) Combining herbicide programs and cereal rye cover crop for integrated weed management in soybeans. Target Journal: *Agriculture*, invited submission for special issue entitled: "Cover Crops"
- Oliveira MC, Jhala AJ, Proctor CA, and Werle R (2019) Survey of Nebraska and Wisconsin stakeholders' adoption of dicamba-resistant soybean technology and dicamba off-target movement. Target Journal: *Pest Management Science* or *Weed Technology*
- Smith D, **Oliveira MC**, Davis V, and Werle R. (2019) Herbicide carryover evaluation following commonly applied silage corn and soybean herbicides. Target Journal: *Agronomy*
- Soltani N, **Oliveira MC**, Alves G, Werle R, Kruger G, Norsworthy J, Sprague C, Young B, Reynolds D, and Sikkema P (2019) Large-Scale Off-Target Movement Assessment of Dicamba in North America. Target Journal: *Weed Technology*

MANUSCRITOS SUBMETIDOS

• Oliveira MC, da Silva AL, Ulguim AR, Werle R. Assessment of Weed Management Strategies and Challenges in Brazilian Cropping Systems. Submetido para *PLoS one*

PUBLICAÇÕES

- Oliveira MC, Butts L, and Werle R (2019) Survey of cover crop management in Nebraska. 9:1-14 *Agriculture*, invited submission for special issue entitled: "Cover Crops". doi: 10.3390/agriculture9060124
- Knezevic SZ, Pavlovic P, Barnes ER, Beiermann C, **Oliveira MC**, Lawrence N, Scott JE, and Jhala AJ (2019) Critical Time for Weed Removal in Glyphosate-Resistant Soybean as Influenced by Preemergence Herbicides. 33-393:399. *Weed Technology*. doi: 10.1017/wet.2019.18
- Ferreira EA, Paiva MCG, Pereira GAM, **Oliveira MC**, Silva, EB (2019) Fitossociologia de plantas daninhas na cultura do milho submetida à aplicação de doses de nitrogênio, *Journal of Neotropical Agriculture*, 6:100-107 (in Portuguese with English abstract). doi: 10.32404/rean.v6i2.2710
- Werle R, Oliveira MC, Jhala AJ, Klein R, Proctor CA, and Rees J (2018) Survey of Nebraska farmers' adoption of dicamba-tolerant soybean technology and off-target movement. *Weed Technology*, 32:754–761. doi: 10.1017/wet.2018.62

- Oliveira MC, Gaines TA, Patterson EP, Jhala AJ, Irmak S, Amundsen K, and Knezevic SZ (2018) Interspecific and intraspecific transfer of metabolism based mesotrione resistance transfer in dioecious weedy *Amaranthus*. *Plant Journal*. 96:1051–1063. doi: 10.1111/tpj.14089
- Knezevic SZ, Ospitan AO, **Oliveira MC**, and Scott JE (2018) *Lythrum salicaria* (purple loosestrife) control with herbicides: multiyear applications. *Invasive Plant Science and Management*. 11:143–154. doi: 10.1017/inp.2018.17
- Oliveira MC, Pereira GAM, Ferreira EA, Barbosa JB, Knezevic SZ, and Werle R (2018) Additive design: the concept and data analysis. *Weed Research*, 58:338–347. doi: 10.1111/wre.12317
- Oliveira MC, Gaines TA, Jhala AJ, and Knezevic SZ (2018) Inheritance of mesotrione resistance in an (*Amaranthus tuberculatus*) (var. *rudis*) population from Nebraska, USA. *Frontiers in Plant Science*, 9:60. doi: 10.3389/fpls.2018.00060
- Miller JJ, Schepers JS, Shapiro CA, Arnenson NJ, Eskridge KM, **Oliveira MC**, and Giesler LJ (2018) Characterizing soybean vigor and productivity using multiple crop canopy sensor readings. *Field Crops Research*, 216:22–31. doi: 10.1016/j.fcr.2017.11.006
- Oliveira MC, Gaines TA, Dayan FE, Patterson EL, Jhala AJ, and Knezevic SZ (2018) Reversing resistance to tembotrione in an *Amaranthus tuberculatus* (syn. *rudis*) population from Nebraska, USA with cytochrome P450 inhibitors. *Pest Management Science*, 74:2296–2305. (Publicação convidado) doi: 10.1002/ps.4697
- Oliveira MC, Feist D, Eskelsen S, Scott JE, and Knezevic SZ (2017) Weed control in soybean with preemergence and postemergence-applied herbicides. *Crop, Forage, and Turfgrass Management*, 3:1–7
- Oliveira MC, Jhala A, Gaines T, Irmak S, Amundsen K, Scott JE, and Knezevic SZ (2017) Confirmation and Control of HPPD-inhibiting Herbicide-Resistant Waterhemp (*Amaranthus tuberculatus*) in Nebraska. *Weed Technology*, 31:67–79. doi: 10.1017/wet.2016.4
- Butts TR, Miller JJ, Pruitt JD, Vieira BC, **Oliveira MC**, Ramirez II S, and Lindquist JL (2017) Light quality effect on corn growth as influenced by weed species and nitrogen rate. *Journal of Agricultural Science*, 9:15–27. doi: 10.5539/jas.v9n1p15
- Braga RR, Santos JB, Zanuncio JC, Bibiano CS, Ferreira EA, **Oliveira MC**, Silva DV, and Serrão JE (2016) Effect of growing *Brachiaria brizantha* on phytoremediation of picloram under different pH environments. *Ecological Engineering*, 94:102–106. doi: 10.1016/j.ecoleng.2016.05.050
- Magalhães JES, Ferreira EA, **Oliveira MC**, Pereira GAM, Silva DV, and Santos JB (2016) Effect of plant-biostimulant on cassava initial growth. *Ceres*, 63:208–213 doi: 10.1590/0034-737X201663020012
- Silva DV, Ferreira, **Oliveira MC**, Pereira GAM, Braga RR, Santos JB, Aspiazú I, and Souza MF (2016) Productivity of cassava and other crops in an intercropping system. *Ciencia e Investigación Agraria*, 43:159–166. doi: 10.4067/S0718-16202016000100015
- Pereira GAM, **Oliveira MC**, Braga RR, Silva DV, Oliveira AJM, Fernandes JSC, and Andrade Junior VC (2015) Growth of carrot cultivars in different environments. *Comunicata Scientiae*, 6:317–325. (in Portuguese with English abstract)
- Santos RC, Ferreira EA, Santos JB, **Oliveira MC**, Silva DV, Pereira GAM, Galon L, Aspiazú I, and Mattos NP (2015) Phytosociological characterization of weed species as affected by soil

management. Australian Journal of Crop Science, 9:112–119

- Pereira GAM, **Oliveira MC**, Oliveira, AJM, Fernandes JSC, Andrade Junior VC, Silva DV, and Ferreira EA (2015) Performance of carrot genotypes at two Jequitinhonha Valley sites. *Semina: Ciências Agrárias*, 36:4059-4070. doi: 10.5433/1679-0359.2015v36n6Supl2p4059
- Ferreira EA, Silva DV, Braga RR, **Oliveira MC**, Pereira GAM, Santos JB, and Sediyama T (2014) Initial growth of cassava in intercropping system. *Scientia Agraria Paranaensis*, 13:219-226
- Franco MHR, Nery MC, França AC, **Oliveira MC**, Franco GCN, and Lemos VT (2013) Production and physiological quality of bean seeds after application diquat. *Semina: Ciências Agrárias*, 34:1707-1714. doi: 10.5433/1679-0359.2013v34n4p1707
- Pereira GAM, Lemos VT, Santos JB, Ferreira EA, Silva DV, **Oliveira MC**, and Menezes CWG (2012) Growth of cassava and weed in response to phosphate fertilizer. *Ceres*, 59:716-722. doi: 10.1590/S0034-737X2012000500019
- Miranda VS, Ribeiro KG, Silva AC, Pereira RC, Pereira OG, Torrado PV, Fernandes JSC, and **Oliveira MC** (2012) Rehabilitation with forage grasses of an area degraded by urban solid waste deposits. *Brazilian Journal of Animal Science*, 41:18-23. doi: 10.1590/S1516-35982012000100003

PALESTRAS E TREINAMENTOS

- *Valoriza Agronegocios*, Patos de Minas · MG · Brazil Jan 2019 Título: "Treinamento resistência, dicamba, identificação de plantas daninhas e herbicidas"
- II IMAST, Dracena · SP · Brazil September 2018 Título: "Da resistência ao dicamba: o desafio no manejo de plantas daninhas nos EUA"
- ullet JF Crow Institute for the Study of Evolution, Madison \cdot WI \cdot USA Set 2018 Título: Evolução de Amaranthus tuberculatus aos herbicidas inibidores da 4-hydroxyphepylpiruvate dioxygenase

EXTENSÃO

- Evolução de Resistência em *Amaranthus tuberculatus*. Waterhemp worshop, Chippewa Falls, Bangor, Janesville, Appleton, WI, USA, Mar 2019
- Dia de Campo de Agronomia. Wisconsin Cropping Systems Weed Science Field Day, Arlington, WI, EUA, Jul 2018
- Dia de Campo da Mandioca: Especificidades e Práticas, Diamantina, MG, Brasil, Out 2011

ORGANIZAÇÃO DE EVENTOS

- Wisconsin Weed Science Field Day, Arlington and Lancaster · WI · USA July 2018
- Flaming Weed Control Workshop, Concord · NE · USA August 2014/15/16/17
- Field day of cassava: specificities and practices, Diamantina, MG, Brazil October 2011
- II Seminar of Forage and Rangeland Sciences, Diamantina · MG · Brazil March 2009
- I Seminar of Engineers, Diamantina · MG · Brazil September 2009

RESUMOS DE CONGRESSOS

- Werle R, DeWerff R, Striegel S, Arsenijevic N, Ribeiro VHV, **Oliveira MC** (2019) Systems Approach to Weed Management in Corn in Wisconsin. Anais do Congresso da Sociedade de Plantas Daninhas da America, New Orleans, LA
- Oliveira MC, Jhala A, Proctor C, Mitchell P, Werle R (2019) Survey of 2017 and 2018 dicamba use in Nebraska and Wisconsin soybean production systems. Anais do Congresso da Sociedade de Plantas Daninhas da America, New Orleans, LA
- Oliveira MC, Bernards M, Jhala A, Proctor C, Stepanovic S, Werle R (2019) Adaptation of Palmer Amaranth to the Upper Midwest. Anais do Congresso da Sociedade de Plantas Daninhas da America, New Orleans, LA
- Oliveira MC, Lencina A, Ulguim A, Werle R (2019) A cropping-system weed science survey of Brazil, a breadbasket country in the tropics. Anais do Congresso da Sociedade de Plantas Daninhas da America, New Orleans, LA
- Oliveira MC, Giacomini D, Tranel D, Vieira GS, Arsenijevic N, Werle R (2018) Molecular and greenhouse validation of field-evolved resistance to glyphosate and PPO-inhibitors in Palmer amaranth. Anais do North Central Weed Science Society Annual Meetings, Milwaukee, WI
- Butts TR, Oliveira MC, Arsenijevic MC, Conley S, Werle R (2018) Tolerance of midwest soybean cultivars to preemergent applications of metribuzin and sulfentrazone (2018). Anais do North Central Weed Science Society Annual Meetings, Milwaukee, WI
- Liu L, **Oliveira MC**, Werle R (2018) Wisconsin cropping systems weed science survey where are we at? Anais do Congresso de Plantas Daninhas da Região Centro Norte, Milwaukee, WI
- Renz R, Striegel S, DeWerff R, Arsenijevic N, Ribeiro VHV, **Oliveira MC**, Luck B, Werle R (2018) Impact of carrier volume rate on PRE-emergence herbicide efficacy in Wisconsin cropping systems. Anais do North Central Weed Science Society Annual Meetings, Milwaukee, WI
- Ribeiro VHV, **Oliveira MC**, Smith D, Santos JB, Werle R (2018) Spectrum of Weed Species Controlled by Various PRE- Emergence Soybean Herbicides in Wisconsin. Anais do North Central Weed Science Society Annual Meetings, Milwaukee, WI
- Arsenijevic N, Striegel S, Ribeiro VHV, **Oliveira MC**, Werle R (2018) Screening of soybean variety tolerance to PRE-emergence herbicides sulfentrazone (PPO) and metribuzin (PSII). Anais do Anais do Congresso de Plantas Daninhas da Região Centro Norte, Milwaukee, WI
- Oliveira MC, Patterson E, Gaines TA, Knezevic SZ (2017) A qualitative assay for detecting Palmer amaranth and its hybrids amongst pigweed species. Anais do Congresso de Plantas Daninhas da Região Centro Norte, Saint Louis, MO
- Oliveira MC, Gaines TA, Knezevic SZ (2017) Inheritance of mesotrione resistance in a waterhemp population from Nebraska. Anais do Congresso de Plantas Daninhas da Região Centro Norte, Saint Louis, MO
- Vieira G, Oliveira MC, Giacomini D, Arsenijevic N, Tranel P, Werle R (2017) Molecular screening of PPO and glyphosate resistance in Palmer amaranth populations from Nebraska. Anais do Congresso de Plantas Daninhas da Região Centro Norte, Saint Louis, MO

- Miller JJ, Schepers JS, Giesler LJ, Shapiro CA, Oliveira MC, Arnenson NJ (2016) Characterizing soybean vigor and productivity using multiple crop canopy sensor readings. Anais do American Society of Agronomy Annual Meetings, Phoenix, AZ
- Oliveira MC, Dayan FE, Gaines TA, Knezevic SZ (2016) Investigations into target-site and nontarget site resistance mechanisms in HPPD resistant waterhemp from Nebraska. Anais do Congresso de Plantas Daninhas da Região Centro Norte, Des Moines, IA
- Oliveira MC, Scott JE, Knezevic SZ (2016) Critical time for weed removal in soybeans is influenced by soil applied herbicides. Anais do North Central Weed Science Society Annual Meetings, Des Moines, IA
- Knezevic SZ, Oliveira MC, Scott JE (2016) Simulated drift of dicamba on potentially sensitive crops. Anais do Congresso de Plantas Daninhas da Região Centro Norte, Des Moines, IA
- Oliveira MC, cott JE, Jhala AJ, Gaines T, Knezevic SZ (2016) Herbicide Programs to control HPPD-resistant Common Waterhemp in Nebraska. Anais do Weed Science Society of America Annual Meetings, San Juan, PR
- Oliveira MC, Gaines T, Jhala A, Knezevic SZ (2016) Pollen-mediated resistance transfer from HPPD-resistance waterhemp to susceptible Palmer amaranth in Nebraska. Proceeding of the Congresso da Sociedade de Plantas Daninhas da America, San Juan, PR
- Oliveira MC, Oliveira e Freitas IF, Scott JE, Knezevic SZ (2015) Soybean yields and critical time for weed removal as influenced by soil applied herbicides. Anais do North Central Weed Science Society Annual Meetings, Indianapolis, IN
- Oliveira MC, Gaines T, Jhala A, Knezevic SZ (2015) HPPD-resistance in waterhemp from Nebraska: Evidence for multiple genes enhancing metabolism. Anais do North Central Weed Science Society Annual Meetings, Indianapolis, IN
- Oliveira MC, Gaines T, Knezevic SZ (2014) HPPD Resistance in Nebraska's Waterhemp: Enhance Metabolism of Target Site Mutation. Anais do North Central Weed Science Society Annual Meetings, Minneapolis, MN
- Oliveira MC, Gaines T, Knezevic SZ (2014) Herbicide Options to Control HPPD resistant waterhemp in Nebraska. Anais do North Central Weed Science Society Annual Meetings, Minneapolis, MN
- Oliveira MC, Scott JE, Franssen AS, Shivrain VK, Knezevic SZ (2014) Confirmation of HPPD Resistant Common Waterhemp in Nebraska. Anais do North Central Weed Science Society Annual Meetings, Minneapolis, MN
- Knezevic SZ, Jhala AJ, Kruger GR, Sandell LD, **Oliveira MC**, Golus JA, Scott J (2014) Volunteer Roundup Ready Soybean Control in Roundup Ready Corn. Anais do North Central Congresso da Sociedade de Plantas Daninhas da America, Minneapolis, MN
- 30+ abstracts in Brazilian Professional meetings from 2008 to 2013

PROJETOS APROVADOS

• UW-Madison Division of Extension and UW-Madison CALS Mar 2019 Adaptation of Industrial Hemp (*Cannabis sativa*) to Agronomic practices in Wisconsin Funded: \$35,000 • Wisconsin Corn Promotion Board

Jan 2019

Title: Challenging the Weed Management Challenges in Wisconsin Corn Production Funded: \$30,000

• North Central Soybean Research Program

August 2018

Title: Adaptation and Management of Glyphosate-Resistant Pigweed Species in the Northern Midwest US Soybean Production Systems

Submitted but not funded

• CAPES Foundation

September 2013

Title: Evolution of HPPD-resistant waterhemp (*Amaranthus tuberculatus*) in Nebraska Funded my Ph.D at the University of Nebraska-Lincoln (\$130,000)

MANUAIS

• Cover Crops 101 Agosto 2019

Link

• Herbicide site of action key for crop injury symptoms Inglês and Português version.

September 2018

• UW Waterhemp Challenge: Preliminary Report Comparison of Soil Residual Herbicides August 2018

Link

PROGRAMAÇÃO

- Terminal
- R e Rstudio
- GitHub
- Agricultural Research Management (ARM)
- SAS

PROJETOS PESSOAIS

- Open Source Weed Science Um repositório com tutoriais de análise e visualização de dados publicados em artigos de planta daninha e áreas relacionadas
- Blog: https://maxweeds.rbind.io Meu blog pessoal

LINGUAS

- Português (Nativo)
- Inglês (Bilingual)
- Espanhol (Intermediário)