

Mila Victório Pessotto

1563 Agronomy Hall. 716 Farm House Ln
Ames, IA 50011

(479) 200 - 5994
pessotto@iastate.edu

EDUCATION

Ph.D., Crop Production and Physiology <i>Iowa State University (ISU)</i>	2022-present expected graduation: Dec 25
M.S., Crop, Soil, and Environmental Sciences <i>University of Arkansas (UARK)</i>	2019-2022
B.S., Agricultural Engineering <i>College of Agriculture “Luiz de Queiroz” / University of São Paulo (USP)</i>	2013-2018

RESEARCH EXPERIENCE

Graduate Assistant Research at ISU	May 22-present
Graduate Assistant at UARK	Jun 19-May 22

TEACHING EXPERIENCE

Instructor of Record for Soils and Plant Growth Lab (AGRON 354L at ISU)	Fall 23 & Spring 24
Teaching Assistant for Agronomic Systems Analysis (AGRON 591 at ISU)	Spring 24
<u>Mentoring Undergraduate Students</u>	
Marina Ferandini Vallada Guadagnucci (USP)	2024

PUBLICATIONS

a. Referred Papers

Pessotto, M.V., Roberts, T.L., Bertucci, M., dos Santos, C.L., Ross, J. & Savin, M. 2023. Determining Cardinal Temperatures for Eight Cover Crop Species. *Agrosystems, Geosciences & Environment*. V.6, e20393. <https://doi.org/10.1002/agg2.20393>

Sartori, F.F.; Engroff, T.D.; Sanches, T.H.G.; Soave, J.M.; **Pessotto, M.V.**; Felisberto, G.; Hilgemberg Jr, V.E.; Borjas Reis, A.F.; Hungria, M.; Nogueira, M.A.; Jaccoud-Filho, D.S.; Andreote, F.D.; Dourado-Neto, D. 2023. Potentially harmful effects of seed treatment and pre-inoculation on soybean biological nitrogen fixation and yield. *European Journal of Agronomy*, v.142. <https://doi.org/10.1016/j.eja.2022.126660>

Sartori, F.F.; Ferreira, A.C.; Hertz, C.E.N.; Okamura, E.T.; Felisberto, G.; **Pessotto, M.V.**; Soave, J.M.; Barros, L.P.; Almeida, A.A.P.; Souza, K.M.; Tezotto, T.; Brendler, F.O.; Reichardt, K.; Dourado-Neto, D. 2019. Ethylene Production and Physiological Parameters in Common Bean Plants Under Water Deficit. *Journal of Agricultural Science*, v.11, p.301.

b. Extension Publications

Cover Crop Fact Sheet for Iowa with the USDA-NRCS for over 30 different species. USDA-NRCS, Licht, M., Olson, H., **Pessotto, M.**, Hollingsworth, J. 2024. <https://www.nrcs.usda.gov/resources/tech-tools/iowa-cover-crop-factsheets>

Ortel, C.C.; Roberts, T.L.; Poncet, A.M.; Hoegenauer, K.A.; **Pessotto, M.V.** & Ross, W.J. 2022. Understanding Spatial Variability of Soybean Leaf Potassium to Establish a Sampling Protocol. In: J.D. Ross (eds.). Arkansas Soybean Research Series 2021. Arkansas Agricultural Experiment Station, University of Arkansas Division of Agriculture, Fayetteville.

Ortel, C.C.; Roberts, T.L.; Slaton, N.A.; Ross, W.J.; Purcell, L.C.; Hoegenauer, K.A.; **Pessotto, M.V.** & Followell, C.A. 2022. Corrective In-Season Potassium Application Rates to Arkansas Soybean. In: J.D. Ross (eds.). Arkansas Soybean Research Series 2021. Arkansas Agricultural Experiment Station, University of Arkansas Division of Agriculture, Fayetteville.

Followell, C.A.; Hurst, B.D.; **Pessotto, M.**; Hoegenauer, K.; Ortel, C. & Smartt, A. 2022. Biomass Accumulation of Irrigated Modern Cotton Cultivars in an Arkansas Production System. In: N.A. Slaton (eds.). Wayne E. Sabbe Arkansas Soil Fertility Studies 2021. Arkansas Agricultural Experiment Station, University of Arkansas Division of Agriculture, Fayetteville.

AWARDS & RECOGNITIONS

Agronomy Teaching Fellowship (2024)

Oblinger Graduate Travel Scholarship (2023)

Agronomy Teaching Fellowship (2023)

1st place poster in the student competition at MCCC & SD Soil Health Coalition Conference (2023)

1st place poster in the Cover Crop Management session at the ASA, CSSA, SSSA Annual Meeting (2022)

MEETINGS & PRESENTATIONS

Moderator of the Midwest Cover Crop Council meeting graduate student session Jan 23

Moderator of the Midwest Cover Crop Council meeting graduate student session Feb 24

a. Oral

Victorio Pessotto, M., Licht, M. A., & McDaniel, M. D. (2024) Can Adjustments to Nitrogen Rates Reduce Corn Yield Drag and Disease Implications Following a Cereal Rye Cover Crop? Iowa Nutrient Research Center Spring 2024 Research Seminar Series, Ames, IA

Victorio Pessotto, M., Larson, A. C., M. Marcos, F., Licht, M. A., & McDaniel, M. D. (2023) Improving Understanding of “Corn Yield Drag” after Cereal Rye Cover Crop by Tracking Soil Net Nitrogen Mineralization across Three Hillslope Positions. ASA, CSSA, SSSA International Annual Meeting, St. Louis, MO.

Victorio Pessotto, M., Roberts, T. L., Ortel, C., & Followell, C. A. (2021) Identifying Cardinal Temperatures for Cover Crop Species Using a Growth Chamber Study. ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT.

Victorio Pessotto, M., Roberts, T. L., Ortel, C., & Followell, C. A. (2021) Determining cover crops base and optimum temperatures. Arkansas Crop Protection Conference, Fayetteville, AR.

Victorio Pessotto, M., Roberts, T. L., Hoegenauer, K., & Bolton, D. (2020) Estimating Cover Crop Biomass Using Thermal Days. ASA, CSSA, SSSA International Annual Meetings | VIRTUAL, Phoenix, AZ.

Victorio Pessotto, M., Roberts, T. L., Hoegenauer, K., & Bolton, D. (2020) Estimating Cover Crop Biomass Using Thermal Days. Arkansas Crop Protection Conference. Virtual, Fayetteville, AR.

Pessotto, M.V., Yamada, T., Giorgetti, G. & Dourado-Neto, D. (2015) Efeito do glifosato no desenvolvimento de plantas de algodão RR. 23º Simpósio Internacional de Iniciação Científica e Tecnológica da USP (SIICUSP), Piracicaba (Brazil).

b. Poster

Victorio Pessotto, M., Licht, M. A., & McDaniel, M. D. (2024) DIY Methods for Farmers to Assess the Soil Health of Their Field [Abstract]. SSSA 2024 Summer Conference, San Juan, PR.

Victorio Pessotto, M., Larson, A., Marcos, F., Biotto, E., Holzhausen, L., Licht, M., & McDaniel, M. (2024) Tracking Soil Net Nitrogen Mineralization to Understand “Corn Yield Drag” After Cereal Rye Cover Crop Across Three Hillslope Positions. MCCC meeting, Indianapolis, IN.

Victorio Pessotto, M., Larson, A. C., Marcos, F.M., Trevisan V., Janke, A. K., & Licht, M. A. (2022) Estimating Cereal Rye (*Secale cereale*) Biomass Accumulation Using Visual Obstruction. MCCC & SD Soil Health Coalition Conference, Sioux Falls, SD.

Victorio Pessotto, M., Larson, A. C., M. Marcos, F., Janke, A. K., & Licht, M. A. (2022) Estimating Cereal Rye (*Secale cereale*) Biomass Accumulation Using Visual Obstruction. ASA, CSSA, SSSA International Annual Meeting, Baltimore, MD.

Victorio Pessotto, M., Roberts, T. L., Hoegenauer, K., Followell, C. A., Ortel, C., & Hurst, B. (2021) Estimating Cover Crop Biomass and Nitrogen Uptake Using Thermal Days. ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT.

c. Abstracts (as co-author)

Co-author in 7 presentations at national and international conferences

SERVICE & LEADERSHIP

Treasurer of the Agronomy Graduate Student Club (ISU)	2024
Member of Mid-west Cover Crop Council Graduate Student Committee	2022-present
Senator for Graduate and Professional Student Senate (ISU)	2023-2024(AY)
Treasurer of the Crop, Soil, and Environmental Sciences Graduate Student Club (UARK)	2021-2022(AY)
Crops representative of the CSES Graduate Student Club (UARK)	2020-2021(AY)
Coordinator of the Group of Applied Physiology and Crop Production System (USP)	2015-2016

PROFESSIONAL AFFILIATIONS

Member of the Agronomy Society of America	since 2020
Member of the Soil Science Society of America	since 2020
Member of the Crop Science Society of America	since 2020