

## MARIA LUÍZA MIMBÚ OSAKO

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As an MS student at Texas A&M University, I've transitioned from Brazil to the United States to pursue higher education. With a background in integrated pest management (IPM) and resistance management in Bt crops. Now fully immersed in entomology, my focus lies on rice insect pests and sustainable pest management strategies. I'm eager to expand my expertise in entomology, embracing new challenges for growth in the field.

### APPOINTMENTS – JOBS AND ACADEMY

**Jan. 2024 – Current** MS in Entomology/Graduate Assistant Research (GAR) at Texas A&M University

**Oct. 2022 – June 2023** Insect Resistance Management Internship at Bayer Crop Science. Santa Cruz das Palmeiras, SP.

**Feb. 2021 – Feb. 2022** Math Coordinator at Cursinho Carolina Maria de Jesus. Campina do Monte Alegre, SP. **Scholarship:** PROEx

**Feb. 2020 – Feb. 2021** Volunteer math teacher for Cram students at Cursinho Carolina Maria de Jesus. Campina do Monte Alegre, SP.

**Feb. 2020 – Feb. 2021** Director of Academic Affairs of Agronomic Engineering. Universidade Federal de São Carlos. Buri, SP.

**Oct. 2018 – Oct. 2022** Study group member of Centro de Fruticultura Prof. Dr. Flavio Herter. Universidade de São Carlos. Buri, SP. **Scholarship:** CNPq - PIBIC

**March 2018 – June 2023** Bachelor's degree in Agronomic Engineering at Universidade Federal de São Carlos. Buri, SP.

### PROJECTS AND AWARDS

#### - Conventional sampling plan for Mirids in artichoke crops (2024)

##### Nomination for 21º Prêmio Destaque na Iniciação Científica e Tecnológica – 2023 Edition

Representing Universidade Federal de São Carlos for the project "Conventional Sampling Plan for Mirids in Artichoke Crops (2022 – 2023)" funded by CNPQ. This national award nomination acknowledges outstanding contributions to scientific research and technological innovation in the field of agronomic engineering. The project's focus on developing effective sampling plans for mirids in artichoke crops demonstrates Maria's commitment to advancing agricultural pest management practices. – IPM; Award Nomination.

**Advisor:** Dr. Flávio Bianchini

**Funding:** CNPQ/PIBIC

#### - Conventional sampling plan for Mirids in artichoke crops (2022 – 2023)

Field experiment conduction to evaluate the best sampling plan for mirids in artichoke crops. - Development of sampling plan. Data analysis. App development to data collection.

**Advisor:** Dr. Flávio Bianchini

**Funding:** CNPQ/PIBIC

#### - Insect Resistance Management (2022 – 2023)

Internship in Insect Resistance Management at Bayer Crop Science. - Development of bioassay in laboratory and greenhouse. Dashboard coordination using PowerBI and Spotfire; App development using PowerApps; Database organization.

**Supervision:** Renato Horikoshi and Leonardo Miraldo

**- First record occurrence of *Proba fraudulenta* in artichoke in Brazil (2022 – 2023)**

Record of feeding injury, economic importance and key to South America species of *P. fraudulenta* S. on artichoke buds in Brazil. - Occurrence note. Product registration. Taxonomy. Insect biology.

**Advisor:** Dr. Tamires Araújo

**- Comparison of substrates on Passion Fruit seedlings (2019 – 2020)**

Greenhouse experiment conduction and evaluation of passion fruit seedlings comparing different species and substrates. - Data analysis. Development of bioassay in greenhouse.

**Advisor:** Dr. Robson Yamamoto

**Funding:** CNPQ/PIBIC

**ADDITIONAL EDUCATION AND SKILLS**

- Portuguese - Fluent
- English - Advanced (Certificate of Proficiency from Michigan University/ TOEFL)
- English language - Graduated with honors at Richard Hugh Fisk Foundation, 2016.
- Japanese – Basic
- PowerBI – Udemy, 2021.
- PowerApps
- Microsoft office 365
- Spotfire
- QGIS
- Oratory – Oratory and personal development course, Oh quem fala, 2022.