GIVANILDO RODRIGUES DA SILVA

Piracicaba, SP, Brazil

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RESEARCH INTERESTS

I am Ph.D. student in genetics and plant breeding focused on quantitative genetics, statistical modeling, genomics and polyploidy. My research is connecting genomics, high-throughput phenotyping, tolerance to heat and quantitative genetics to bring some advance in the potato breeding. Field experiments, associative genetic mapping and breeding pipeline´s simulations can be mentioned as previous experiences. Furthermore, I continuously looking ways to improve myself in communication, teamwork and leadership.

EDUCATION

Luiz de Queiroz College of Agriculture – University of São Paulo   **2021-actual**
Ph.D., Genetics and Plant Breeding   *Piracicaba, Brazil*
University of Florida   **2024**
Visiting scholar   *Gainesville, U.S.*
Luiz de Queiroz College of Agriculture – University of São Paulo   **2023-2025**
MBA, Data Science and Analytics   *Piracicaba, Brazil*
University of Mato Grosso State – UNEMAT   **2019-2021**
M.S., Genetics and Plant Breeding   *Barra do Bugres, Brazil*
Federal Institute of Mato Grosso – IFMT   **2014-2019**
B.Sc. Agronomy   *Campo Verde, Brazil*

SKILLS

°Quantitative genetics   °Plant breeding   °Statistical modeling   °Image processing   °R
°Genomics   °Polyploidy   °Associative genetic mapping   °Breeding program´s simulation

LANGUAGE

°Portuguese (native)   °English (advanced)

EXPERIENCE

Advisor in Agribusiness, MBA Esalq/USP   **2023-present**
Opportunity to guidance and improve hard and soft skills   *Piracicaba, Brazil*
Vice-coordinator of plant breeding extension group, GVENCK   **2022-2023**
Coordinated the group's activities   *Piracicaba, Brazil*
Member of plant breeding extension group, GVENCK   **2021**
Promote discussions and soft skills improvement   *Piracicaba, Brazil*
Intern, Regulatory Team, Bayer   **2018**
Hands-on experience in an industry breeding program   *Sorriso, Brazil*

ADDITIONAL TRAINING

- Functional analysis of transcriptomics data   2024
- Multi-Omic integration for AI genomic prediction breeding short course   2024
- Modeling the GxE interaction using phenotypic, genomic and environmental data   2021

PRESENTATIONS

- Introdução à seleção genômica. Aula da disciplina: Melhoramento Genético (LGN0313). ESALQ. 2023

PUBLICATIONS

- Silva, G. R. et al. Partial white mold resistance in a Brazilian-adapted common bean panel. Genetic Resources and Crop Evolution. 2024 [doi](doi)
- Potencialidades da utilização de drones na agricultura de precisão / drones potentiality uses in precision agriculture. Brazilian Journal of Development. 2020. [doi](doi)

REFERENCES

- Prof. Dr. Marcio Resende – Associate Professor at University of Florida – mresende@ufl.edu
- Prof. Dr. Fernando Piotto – Professor at Esalq/USP – fpiotto@usp.br
- Prof. Dr. Thiago Gilio – Assistant Professor at UFMT – thiago.gilio@ufmt.br