Curriculum Vitae

Lorena Dumba

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Personal Information

- **Email**: lorenadumba@gmail.com
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- **Location**: Lincoln, Nebraska - USA

Education

- PhD, Plant Breeding and Genetics University of Nebraska - Lincoln – UNL: 2024 - currently
- PhD, Statistics University of Nebraska - Lincoln – UNL: 2024 - currently
- MBA, Agribusiness Luiz de Queiroz College of Agriculture, University of Sao Paulo - USP/Esalq – 2022/2024
- Master's degree, Genetics and Plant Breeding Federal University of Lavras - UFLA/MG/Brazil – 2019/2021 Thesis: Computational Vision Applied to the Evaluation of Darkening of Carioca Beans Grains
- BS, Agronomy Federal University of Lavras - UFLA/MG/Brazil – 2014/2019 Thesis: Image Analysis as a Tool for Evaluation of Delinting in Cotton Seeds

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Awards

- Graduate Studies Travel Grant - University of Nebraska-Lincoln - 2024
- CROPS Travel Award - University of Nebraska-Lincoln - 2024

Research/Teaching Experience

- Teaching Intern, Department of Agronomy & Horticulture, University of Nebraska An Introduction to Hybrid Breeding - Fall, 2023 Introduction to Hybrid Breeding: Understanding the Process (Online) – Fall, 2023 Genotypic by Environmental Interactions in Plant Breeding - Fall, 2023
- Member of the Coordination of the Center for Studies in Genetics and Plant Breeding – GEM/ Federal University of Lavras - 2019/2021
- Scientific Research at Agricultural Research Company of Minas Gerais - EPAMIG – Minas Gerais, Brazil - 2015/2018 Project: Plant physiology of coffee genotypes and drought tolerance

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Professional Experience

- Internship – Hybrid Maize Breeding – 2023 University of Nebraska - Lincoln
- Internship - Alternative Crops Breeding – 2022 University of Nebraska Panhandle Research & Extension Center - Scottsbluff, Nebraska
- Internship - Inspection of seeds and seedlings in the South of Minas Gerais – 2019 Ministry of Agriculture, Livestock and Food Supply (MAPA) – Minas Gerais, Brazil

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Publications, Posters, Presentations

- Poster ASA, CSSA and SSSA: American Society of Agronomy Meeting Title: Two-Stage Mixed Model Analysis of Plant Breeding Data Using Echidna Software November 11th, 2024 San Antonio, Texas
- Publication: Agronomy Journal Silva, L. C. D., da Silva Cardoso, E., Mencalha, J., Gomes, D. A., de Castro Miguel, J. A., Cardoso, J. V. C., dos Santos, H. O., & Carneiro, V. Q. (2024). Computer vision for assessment the seed coat color of carioca common beans. Agronomy Journal, 1–10. https://doi.org/10.1002/agj2.21636

Event Organization

- University of Nebraska – Lincoln Workshop - Hybrid Breeding: The Essentials – 2023 Workshop - Analysis, Summarization, and Interpretation of Plant Breeding Data Using Mixed Models with Echidna and ASReml Software – 2023
- Federal University of Lavras, Minas Gerais – Brazil Applied course on experimental data analysis in R – 2020 Online course on R: First steps towards the basic concepts of data analysis – 2020 XXIV International Symposium on Genetics and Plant Breeding (Corteva Symposia Series) – 2020 IV Workshop - Brazilian Crops - 2019

Software

- R

- Python
- SAS
- Echidna

Volunteer Work

- Department of Phytopathology – Federal University of Lavras - MG/Brazil – 2018/2019
- Hippotherapy Center – Federal University of Lavras - MG/Brazil – 2014/2019

Languages

- English
- Portuguese (Native)

References

Available upon request.