

# Marco Guerra Hinostroza



## About me

Hello! My name is Marco. I am a plant breeder in continuous development. I am currently researching how kinship relationships and haplotype-based genetic mapping can increase selection efficiency in early potato populations. Lover of quantitative genetics and potato fan.

## personal

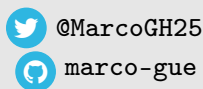
Marco Guerra Hinostroza  
nationality: Peruvian

## Areas of specialization

Plant breeding • Quantitative genetics • Statistical genetics

## Interests

Polyploid cultures  
Genomic selection  
Biometric models



## EXPERIENCE

2024–present

### Consultant

LIMA • Perú 📍

Phenotypic and genotypic data analysis of a multiparental potato population and haplotype-based mapping. Preliminary analysis of a diploid potato population for the creation of a new germplasm source..



2023–2024

### Research technician II

LIMA • Perú 📍

Design of experiments and data analysis in early generation populations. Preliminary analysis of a diploid population with self-compatibility genes using molecular markers. Logistic support in the installation of the different trials. Greenhouse management for seed potato tuber production.



2022–2023

### Research technician I

LIMA • Perú 📍

Design, randomisation, installation, evaluation and analysis of different nutrient media for the medium-term conservation of sweetpotato explants. Phytosanitary evaluations and recording of information from the sweetpotato collection of the germplasm bank.



2021–2022

### Intern

LIMA • Perú 📍

Cleaning and consolidation of field books of experiments from five evaluation cycles. Support in processing activities for quality evaluations of potato clones. Organoleptic evaluations of material in advanced stages. Support in the logistical activities for the installation of the different tests.



## DEGREES

2024

### Master's student

GENETICS AND BREEDING • Universidade Federal de Viçosa 🏛️  
Brazil



2021

### Bachelor of Science

AGRONOMY • Universidad Nacional Agraria La Molina 🏛️  
Perú



## GRANTS

2024

### Master's study grant

BRAZIL • 📍

Coordination for the Improvement of Higher Education Personnel (CAPES).



## PRODUCTION

- 2024** *"Estimation of genetic parameters for a multi-parental potato population in multi-environment trials with non-traditional experimental designs"*, in : International Meeting in Plant Breeding.
- 2024** *"Mixed modeling analysis for augmented row-column design trials in potato genotypes"*, in : German plant breeding conference.

## LANGUAGES

<b>Spanish</b>	mother tongue ● ● ● ● ● ● ● ●
<b>Portuguese</b>	
<b>English</b>	

## PROGRAMMING



## CERTIFICATES

<b>2023</b>	R - Posit academy
<b>2016</b>	Microsoft office

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