

MARILIA SOUZA LUCAS



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BACKGROUND

06/2021 - TODAY	<p>INSTITUTE OF PLANT ECOLOGY, MARTIN LUTHER UNIVERSITY, HALLE</p> <p>Research assistant and Doctoral candidate</p> <p>Title of the dissertation:” Harnessing the power of RADseq data to achieve a more mechanistic understanding of rapid evolution”</p> <ul style="list-style-type: none">▪ Led in a multi-disciplinary research project on the evolutionary dynamics of a plant invasive species, employing molecular genomic analysis (RADseq).▪ Participation in meetings to clarify the project objective and technical details.▪ Organization of the research project, including coordination and support of a green house experiment with the duration of 4 months and participation of 12 assistants.▪ Collaboration with a diverse team of researchers, including international partners, to integrate molecular data with eco-evolutionary frameworks, facilitating a holistic understanding of rapid evolutionary processes.▪ Preparation of scientific articles and presentation of research results at conferences in Germany and abroad.
01/2021 – 03/2021	<p>VALE S.A., PARÁ, BRAZIL</p> <p>Laboratory Technician - Molecular Biology</p> <p>Vale is a Brazilian multinational mining company and one of the country's largest logistics operators.</p> <ul style="list-style-type: none">▪ Performed all molecular processing of samples from DNA extraction to bioinformatics sequencing and analysis.▪ Manage simultaneous projects and experienced pressure and company deadlines.
03/2018 – 10/2020	<p>SAO PAULO STATE UNIVERSITY, SAO PAULO, BRAZIL</p> <p>Master’s Degree in Ecology and Biodiversity - Molecular, individual and population ecology</p> <p>Title of the thesis:” Seed dispersal limitation and its genetic consequences in Atlantic Forest remnants”</p> <ul style="list-style-type: none">▪ Development of an optimized DNA extraction protocol for 5 different plant tissues.▪ Worked collaboratively with interdisciplinary teams, including ecologists, geneticists, and field technicians.▪ Managed project logistics, from sampling to data analysis, ensuring timely completion of research milestones.

03/2017 – 02/2018	<p>SAO PAULO STATE UNIVERSITY, SAO PAULO, BRAZIL</p> <p>Technician at Molecular Ecology Laboratory</p> <ul style="list-style-type: none"> ▪ Responsible for the purchase of equipment and reagents using project budgets, and subsequent financial reporting. ▪ Preparation of plant samples for molecular analysis, DNA extraction. ▪ Laboratory analysis such as PCR (Polymerase Chain Reaction) for DNA amplification, genetic genotyping and barcoding.
02/2012 – 02/2017	<p>SAO PAULO STATE UNIVERSITY, SAO PAULO, BRAZIL</p> <p>Bachelor in Ecology</p> <ul style="list-style-type: none"> ▪ 300 hours of internship in IMA. An Agricultural Institute responsible for implementing public policies on animal and plant health defense. Accompanying professionals in the field to collect and prepare samples for future analysis.

OTHERS

SKILLS	Technical Skills: MS Office (Word, Excel, PowerPoint) - Excellent
LANGUAGE	<p>Portuguese: Mother language</p> <p>Englisch: Excellent</p> <p>Spanish: Good</p> <p>German: Basic (B1 in progress)</p>
HOBBYS	<p>Travel</p> <p>Cook</p> <p>Puzzles</p>