

**Talissa De Oliveira Floriani**

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**Address:** Joaquim Pinto de Arruda, nº01.  
Lages, Santa Catarina State. Brazil.

**Zip-code:** 88504-610

## EDUCATION

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### University:

#### **MSc. Student in Genetics and Plant Breeding**

**August 2021 – July 2023**

University of São Paulo – USP

“Luiz de Queiroz” College of Agriculture – ESALQ

Department of Genetics – Statistical Genetics Lab.

#### **BSc. in Agronomy**

**February 2015 – November 2020**

Santa Catarina State University – UDESC

Center for Agroveterinary Sciences - CAV

Undergraduate thesis: Improvement of cultivated plants at University of California: From Conventional to molecular genetics.

## ACADEMIC EXPERIENCE

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### **Undergraduate Research Week at University of California Davis**

**Oct 2020**

The Department of Plant and Environmental Sciences invited selected undergraduate students to present the Seminar of Undergraduate Research Week about their annual research.

### **Intern Scholarship – University of California, Davis**

**Jan 2020 – Jun 2020**

Research intern at the University of California, Davis (UCD) in the area of genetics and plant breeding, laboratory of professor Dr. Paul Gepts. The work was related with genetics of domestication in common bean (*Phaseolus vulgaris* L.), specially with pod dehiscence. Insect resistance in Lima Bean (*Phaseolus lunatus*) and Virus Resistance in Common bean. Agronomy field in Chickpea (*Cicer arietinum*) and QTL analyses related to different topics in beans.

### **Scientific Merit**

**2018**

Scientific Merit 2nd place at the 28th SIC UDESC - Scientific Initiation Seminar, Plant Production, Session I.

### **Research Scholarship – Lab Project**

**2017 - 2019**

“Formation on one bank active of germplasm in common bean (*Phaseolus vulgaris* L.)”  
Conservation, conduction of experiments, multiplication and evaluation of bean accessions

in Santa Catarina State. Identification of accessions for morphology and agronomic characters, as a basis for future breeding programs. The experiment was conducted in green houses and field, by Talissa, at UDESC and supervised by professor Dr. Altamir Guidolin.

### **Research Scholarship – Lab Project**

**2016 - 2017**

“Evaluation of common bean lineages and cultivars for Santa Catarina State”

Conduction of “cultivation and use value test (VCU)”, from the breeding programs of institutions as EMBRAPA (Brazilian Agricultural Research Corporation), IAPAR (Plant Breeding at Agronomic Institute of Paraná State), EPAGRI and UDESC (Santa Catarina State University), aiming to select superior materials for Santa Catarina State. The experimental was conducted by Talissa in the agronomic field, at UDESC and supervised by professor Dr. Altamir Guidolin.

## **BIBLIOGRAPHICAL PRODUCTION**

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### *Articles in Scientific Journals*

Parker, T.; Sousa, L. L.; **Floriani, T. O.**; Palkovic, A.; Gepts, P. Towards the introgression of Pvpdh1 for increased resistance to pod shattering in common bean. Theoretical and Applied Genetics. 2020.

Silva, J. A; Barrichello, E. C.; Oliveira, I. A.; Cerutti, P. H.; Dos Santos, M.; **Floriani, T. O.** Root system phenotyping for selection of agronomically superior plants. Revista Agronomia Brasileira, v.3, p. 1-5, 2019.

Cerutti, P.H; Dos Santos, M.; Gemeli, M. S.; Silva, J. A.; Almeida, É. L.; Oliveira, I. A.; Barrichello, E. C.; **Floriani, T. O.** Recurrent selection as a tool in the improvement of autogamous plants. Revista Agronomia Brasileira, v. 3, p.1-4, 2019.

### *Complete works published in proceedings of conferences*

**Floriani, T. O.**; Cerutti, P. H.; Santos, M.; Screening for the root angle character in common bean genotypes. In: V Simpósio Internacional Ciência, Saúde e Território, 2019, In: V Simpósio Internacional Ciência, Saúde e Território, 2019, Lages, SC. Anais do V Simpósio Internacional Ciência, Saúde e Território. Lages, SC: UNIPLAC, 2019.

Santos, M.; Cerutti, P. H.; **Floriani, T. O.**; Barichello, E. C.; SILVA, J. A.; Trevisani, N. Creation of genetic variability in physalis using methylmethanesulfonate (mms). In: V Simpósio Internacional Ciência, Saúde e Território, 2019, Lages, SC. Anais do V Simpósio Internacional Ciência, Saúde e Território. Lages, SC: UNIPLAC, 2019.

### *Expanded Summary published in proceedings of conferences*

**Floriani, T. O.**; Nardello, F. A. C.; Rodrigues, A. R.; Darius, D. A.; Melo, R. C.; Souza, R. S.; Adams, C. R.; Cerutti, P. H.; Dos Santos, M.; Guidolin, A. F. Genetic divergence

between common bean genotypes through multivariate techniques. 2019, Lages/SC. Anais do 29º Seminário de iniciação científica, 2019.

Nardello, F. A. C.; **Floriani, T. O.**; Rodrigues, A. R.; Darius, D. A.; Melo, R. C.; Souza, R. S.; Adams, C. R.; Cerutti, P. H.; Guidolin, A. F.; Coimbra, J. L. M. Is epistasis important for the root distribution character in common beans? 2019, Lages/SC. Anais do 29º Seminário de iniciação científica, 2019.

**Floriani, T. O.**; Wille, C. L.; Almeida, E. L.; Cerutti, P. H.; Melo, R. C.; Correa, S. C.; Coimbra, J. L. M.; Guidolin, A. F. Importance of experimental error decomposition in the discrimination of cultivars. 2018, Lages/SC. Anais do 28º Seminário de iniciação Científica, 2018.

**Floriani, T. O.**; Coimbra, J. L. M.; Cerutti, P. H.; Melo, R. C.; Cardoso, T. R.; Guidolin, A. F. Root distribution associated with yield components in common bean (*phaseolus vulgaris* L.), 2016, Lages - SC. Anais do 26º Seminário de iniciação Científica, 2016.

Cerutti, P. H.; Guidolin, A. F.; Melo, R. C.; Cardoso, T. R.; **Floriani, T. O.**; Coimbra, J. L. M. Adjustment of genotypic constitutions: effect of genotype vs environment, 2016, Lages - SC. Anais do 26º Seminário de iniciação Científica, 2016.

Cardoso, T. R.; Cerutti, P. H.; Melo, R. C.; **Floriani, T. O.**; Coimbra, J. L. M.; Guidolin, A. F. Heterogeneity within complete randomized blocks; 2016, Lages - SC. Anais do 26º Seminário de iniciação Científica, 2016.

#### ***Summary published in proceedings of conferences***

**Floriani, T. O.**; Souza, D. S.; Luz, A. R.; Rodrigues, J.; Kretzschmar, A. A.; Rufato, L. Root length and spatial distribution of different European pear canopy cultivars grafted onto 'Adams' quince tree. In: XVI ENFRUTE - Encontro Nacional Sobre Fruticultura de Clima Temperado, 2019, Fraiburgo, SC. Anais do XVI Enfrute, 2019.

**Floriani, T. O.**; Meneguzzi, A.; Goncalves, M. J.; Arruda, A. L.; Rufato, L. In vitro germination of *Eugenia pyriformis* seeds. In: 12º Seminário Nacional sobre Fruticultura de Clima Temperado, 2016, São Joaquim. 12º Anais Senafrut. Florianópolis, SC: Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina, 2016. v. 29.

Silva, A. C.; **Floriani, T. O.**; Paiano, G. M.; Goncalves, M. J.; Kretzschmar, A. A. Concentrations of salts and presence of activated carbon in the in vitro establishment of Pitangueira. In: 12º Seminário Nacional sobre Fruticultura de Clima Temperado, 2016, São Joaquim/SC. Anais 12º Senafrut, 2016.

Paiano, G. M.; Santos, K. V. T.; Arruda, A. L.; **Floriani, T. O.**; Kretzschmar, A. A. In vitro germination of red pitaya seeds in different concentrations of medium ms and ga3. In: 12º Seminário Nacional sobre Fruticultura de Clima Temperado, 2016, São Joaquim/SC. 12º Anais Senafrut, 2016.

Goncalves, M. J.; **Floriani, T. O.**; Souza, M. N.; Silva, A. C.; Kretzschmar, A. A. In vitro germination of white pitaya seeds with different concentrations of sucrose and activated carbon. In: 12º Seminário Nacional sobre Fruticultura de Clima Temperado, 2016, São Joaquim/SC. 12º Anais Senafrut, 2016.

**Floriani, T. O.**; Outemane, M. V. P.; Wurz, D. A.; Allebrandt, R.; Peters, F. K.; Proenca, A. M.; Souza, M. N.; Rufato, L. Pruning systems and their productive influence of the 'Chardonnay' variety produced in an altitude region of Santa Catarina State. In: Encontro nacional sobre fruticultura de clima temperado, 2015, Fraiburgo. Anais Enfrute - Resumos. Caçador: Epagri, 2015. v. vol 2. p. 79-79.

## LANGUAGE SKILLS

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**Portuguese:** Native Language

**English:** Listening, Speaking, Reading and Advanced Writing.

**Spanish:** Listening intermediate, Speaking, Reading and Writing, intermediate.

## COMPUTER SKILLS

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**Softwares:** SAS 9.4, GENES, NTSYS, Microsoft OFFICE, R Studio.

## RELEVANT SKILLS

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DNA extractions, PCR (Polymerase Chain Reaction), Gel electrophoresis, QTL (Quantitative trait loci) mapping and various forms of phenotyping.

## RESEARCH INTERESTS

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Agronomy. Plant biology, plant genetics and plant breeding. Evolution of plants. Domestication syndrome in common bean. Molecular and Cellular biology.