

## PERSONAL INFORMATION



## Samela Draga

📍 Via Lombardia, Albignasego (PD)

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Sex Female | Date of birth 02/04/1995 | Nationality Albanian

PhD student in Crop Science: Department of Agronomy, Food, Natural resources, Animals and Environment (DAFNAE), University of Padova

## WORK EXPERIENCE

11/2023-now

**Research Scholar**

Institute for Agricultural Science Research or Rosario (IICAR-CONICET-UNR), Argentina

-Apomixis related research: *in situ* hybridizations experiments in *Paspalum* ovules

05/2023-08/2023

**Research Scholar**

Institute for Agricultural Science Research or Rosario (IICAR-CONICET-UNR), Argentina

-Apomixis related research: evaluation, and selection of candidate genes in base of differentially expressed transcripts (DETs) in reproductive organ of sexual and apomictic *Paspalum notatum* and *Hypericum perforatum* plants

10/2021-now

**PhD student**

Department of Agronomy, Food, Natural resources, Animals and Environment (DAFNAE), University of Padova

-Considerations and analysis focusing on the reproductive barriers system in chicory  
-Meta-analysis of genome-wide datasets of chicories (*Cichorium intybus* L.), supporting marker-assisted breeding (MAB) and marker-assisted selection (MAS) programs  
-Evaluation of candidate genes of the S-locus for sporophytic self-incompatibility in chicory

03/2021-09/2021

**Fellowship**

Department of Agronomy, Food, Natural resources, Animals and Environment (DAFNAE), University of Padova

-Molecular and genetic characterization of the common bean local varieties  
-Ploidy analysis by Flow Cytometry in plants  
-DNA barcoding uses for plant taxonomic identification

04/2019 – 01/2020

**Internship**

Department of Agronomy, Food, Natural resources, Animals and Environment (DAFNAE), University of Padova

- Genetic diversity and population structure analysis of a common bean core collection
- SSR primer design for genotyping assay and marker data statistical analysis
- Analysis of the genetic similarity of experimental lines and local varieties of the common bean

**EDUCATION AND TRAINING**

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10/2017-03/2020

**Master’s degree in Biotechnologies for Food Science**

University of Padua - Viale dell'Università, 16, 35020 Legnaro PD  
[www.unipd.it](http://www.unipd.it)

Particularly attention to:

- Applied genomics for animal and crop improvement
- Biotechnology for plant protection
- Genetic traceability tools for species authentication
- Laboratory of advanced DNA, RNA and protein analysis

09/2012-03/2016

**Bachelor’s degree in Biotechnology**

University of Tirana, Albania [fshn.edu.al](http://fshn.edu.al)

Particularly attention to:

- Biotechnology for food science
- In vitro* cell culture
- Biochemistry
- Molecular biology

**PERSONAL SKILLS**

Mother tongue(s) Albanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Italian	C1	C1	C1	C1	B2
French	B2	B2	B1	B1	B2
Spanish	B2	B2	B1	B1	B1

## PUBLICATIONS

- **Draga, Samela;** Palumbo, Fabio; Magon, Gabriele; Gabelli, Giovanni; Soria Garcia, Fernanda; Vannozzi, Alessandro; Farinati, Silvia; Scariolo, Francesco; Lucchin, Margherita; Barcaccia, Gianni. *MIK2* is a candidate gene of the S-locus for sporophytic self-incompatibility in chicory (*Cichorium intybus*, Asteraceae). Proceedings of the LXVI SIGA Annual Congress, Bari, Italy 5-8 September 2023. Poster communication 1.36. ISBN: 978-88-944843-4-2
- Scariolo, Francesco; **Draga, Samela;** Farinon, Barbara; Rea Roberto; Taviani, Paola; Barcaccia, Gianni; Mazzucato, Andrea. Two different genotyping methods suggest uncommon reproductive behaviour in *Apium graveolens* L. local populations from the Lazio region. Proceedings of the LXVI SIGA Annual Congress, Bari, Italy 5-8 September 2023. Poster communication 1.25. ISBN: 978-88-944843-4-2
- **Draga, Samela;** Gabelli, Giovanni; Palumbo, Fabio; Barcaccia, Gianni. (2023). Genome-Wide Datasets of Chicories (*Cichorium intybus* L.) for Marker-Assisted Crop Breeding Applications: A Systematic Review and Meta-Analysis. International Journal of Molecular Sciences. 24. 1-22. 10.3390/ijms241411663.
- Farinati, Silvia; **Draga, Samela;** Betto, Angelo; Palumbo, Fabio; Vannozzi, Alessandro; Lucchin, Margherita; Barcaccia, Gianni. (2023). Current insights and advances into plant male sterility: new precision breeding technology based on genome editing applications. Frontiers in Plant Science. 14. 10.3389/fpls.2023.1223861.
- Palumbo, Fabio; **Draga, Samela;** Magon, Gabriele; Gabelli, Giovanni; Vannozzi, Alessandro; Farinati, Silvia; Scariolo, Francesco; Lucchin, Margherita; Barcaccia, Gianni. (2023). *MIK2* is a candidate gene of the S-locus for sporophytic self-incompatibility in chicory (*Cichorium intybus*, Asteraceae). Frontiers in Plant Science. 14. 1204538. 10.3389/fpls.2023.1204538.
- **Draga, Samela;** Palumbo, Fabio; Barbagiovanni, Immacolata; Pati, Francesco; Barcaccia, Gianni. (2023). Management of genetic erosion: The (successful) case study of the pear (*Pyrus communis* L.) germplasm of the Lazio region (Italy). Frontiers in Plant Science. 13. 1099420. 10.3389/fpls.2022.1099420.
- Palumbo, Fabio; **Draga, Samela;** Scariolo, Francesco; Gabelli, Giovanni; Sacilotto, Gio; Gazzola, Marco; Barcaccia, Gianni. (2022). First genomic insights into the *Mandevilla* genus. Proceedings of the LXV SIGA Annual Congress, Piacenza, Italy 6-9 September 2022. Poster communication 6.29. ISBN: 978-88-944843-3-5
- **Draga, Samela;** Palumbo, Fabio; Barbagiovanni, Immacolata; Pati, Francesco; Barcaccia, Gianni. (2023). Management of genetic erosion: The (successful) case study of the pear (*Pyrus communis* L.) germplasm of the Lazio region (Italy). Proceedings of the LXV SIGA Annual Congress, Piacenza, Italy 6-9 September 2022. Poster communication 6.29. ISBN: 978-88-944843-3-5.
- Palumbo, Fabio; **Draga, Samela;** Scariolo, Francesco; Gabelli, Giovanni; Sacilotto, Gio; Gazzola, Marco; Barcaccia, Gianni. (2022). First genomic insights into the *Mandevilla* genus. Frontiers in Plant Science. 13. 983879. 10.3389/fpls.2022.983879.
- Palumbo, Fabio; **Draga, Samela;** Vannozzi, Alessandro; Lucchin, Margherita; Barcaccia, Gianni. (2022). Trends in Apomixis Research: The 10 Most Cited Research Articles Published in the Pangenomic and Genomic Eras. Frontiers in Plant Science. 13. 10.3389/fpls.2022.878074.

## PARTICIPATIONS AND CERTIFICATES

- IV International Congress APOMIXIS, Rosario 2023, poster presentation: Incidence of isoforms of the splicing controller BUD13 in apomictic and sexual species
- Training Qiacube Connect Applications Training, 2023
- Training Ion Chef and gene studio 5S, Sequencing, 2023
- Summer School Certificate “Food And Health”  
By the University of Padua and University of Sydney, 2019
- Certificate : “Learning about the European Union” EUIC, Shkoder, AL, 2017

29/11/2023

A handwritten signature in black ink, appearing to read "Samela Draga".