

Personal Information

Name: Sadeghian Fateme

Address:

Phone:

Email:

Nationality:

Date of Birth:

[LinkedIn](#)

Professional Summary

A researcher with +8 years of work experience on plant sciences in academia (biochemistry and plant protection), and +2 years of industry experience (fertilizer and pesticides application consulting). Well understanding of biochemical analysis, molecular biology, and plant microbiology.

Work Experience

- Research Fellow, Plant Biotechnology Group, University of Verona and Bologna (since 2022)

Main duties and responsibilities: Researched on innovative methods for increasing shelf life in fruit industry, Collaboration between University of Bologna and Zesperi company Italy

- Research Assistant, Viticulture and Oenology Department, University of Udine (Uniud) (2021-2022),

Main duties and responsibilities: Involved in a collaborative project with a 12-person team at the University of Udine to develop a new method for monitoring plant disease in vineyards, as well as reducing inputs for controlling the pathogen in accordance with EU commission regulations. My roles included collecting and analysing data using various techniques such as ICP-MS, GC-MS, and spectrophotometry, as well as training a software by taking photos and testing it for one year, biochemical analysis on organic samples by GC-MS (polyphenol compounds and aromatic and VOCs), HPLC (Sugars, polyphenolic compounds, organic acids), and microbiology experiments on wine in University Udine, Italy

- Horticultural Expert, Governmental Agricultural Organization, Shirvan, Iran (2017-2018),

Main duties and responsibilities: Providing technical support in response to the priority needs of community organizations, producer marketing groups, farmer business schools and other groups established or supported under different projects;

- Advisor on Fertilizers, Pesticides, and Seeds, Nishaboour, Iran (2016-2017)

Main duties and responsibilities: Advisor on the use of fertilizers, pesticides, and seeds, especially for vegetables, for clients

Education And Training

- Gorgan University of Agricultural Sciences and Natural Resources, Ph.D. candidate in fruit breeding and physiology
Oct 2016 — Februy 2023 Gorgan
- Gorgan University of Agricultural Sciences and Natural Resources, master in pomology
Oct 2010 — Mar 2013 ♀ Gorgan, Iran
- Ferdowsi University of Mashhad, bachelor science in agriculture
Oct 2005 — Sep 2009 ♀ Mashhad, Iran
- Experimental Science, high school diploma,
Oct 2001— June 2004 ♀ Shirvan, Iran

Language

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- Persian, Turkish (Mother tongue)
 - English (professional) and Italian (Basic)

Skills

- Extracting and measuring organic and mineral compounds in plant materials.
- Microbiology skills (fungi, bacteria, and yeast).
- Biochemical analysis by Spectrophotometry, HPLC in polyphenolic compounds and GC-MS, aromatic compounds.
- ICP-MS, preparation of samples and extraction for monitoring of elements.
- DNA extraction, RNA extraction, PCR, Q-PCR.
- Designing experimental plans, fieldwork, accurate data collecting and analysis.
- Proficient in writing work reports and scientific publication utilizing a full range of resources.
- Database management software including Access and Excel.
- Competence in analytical software including SAS, SPSS, Python.

Liaison Skills

- Well-interacting with a wide range of people and could build relationships and understand joint projects.
- Teamwork, self-starter, dependable.
- Hard working.
- Ability to work under pressure.
- Multi-tasking.

Courses

- Bioinformatics tools, March 2023.
- Applied techniques of molecular cloning, April 2023.
- Energy saving technologies in wine making(webinar), February 2022.
- digital-droplet PCR, October 2021.
- Gas chromatography Apr 2019 — Jun 2019.
- hydroponic systems, greenhouse management Apr 2014 — Jul 2014.

Scientific Projects and publications

- Sadeghian, F., Seifi, E., Dadar, A., Alizadeh, M. & Sharifani, M.2014. The impact of vegetable oil spray on berry thinning and quality in grapevine cv. 'Keshmeshi'.Eco. Env. & Cons. 20 (2); (739-743).
Conference presentations
- Fateme Sadeghian, Giovanni Mian, Piergiorgio Comuzzo, Lucilla Iacumin, Roberto Zanzotti, Oscar Giovannini, Gianni Trioli, Nicola Pio Torraco,Emilio Celotti A non-destructive method for quantifying Cu, monitoring its residues, and downy mildew incidence on grapevine leaves after the application of copper-based antifungals, CONAVI 13-15 June 2022 (TV) IX National Viticulture Conference, Conegliano, Italy
- Seyed Abolfazl Hassani¹, Ali Salehi Sardoei¹, Fatemeh Sadeghian¹, Davood Bakhshi², Maryam Keshavarzi² and Sona Hossainava. 2019.Estimations of hazelnut leaf area with bivariable linear measurements. 11th Horticulture. congress. Urmia. Iran.
- Seyed Abolfazl Hassani, Ali Salehi Sardoei, Fatemeh Sadeghian, Davood Bakhshi, Maryam Keshavarzi and Sona Hossainava . .2019. Group Method of Data Handling-Type Neural Network Prediction of Hazelnut Leaf Area Based on Length and Width of Leaf 11th Horticulture congress. Urmia. Iran
- Morpho-chemical diversity of Iranian grapevine leaves
- SSR analysis on some wild grapevine genotypes
- Evaluation of various techniques appropriate for reducing SO₂ in wine
- The Effect of Some Nano Composite Coatings on the Properties of the Storage life of Grape (cv. kolahdari and keshmeshi). 2017.
- Application of nano-essential oils for controlling PSA (*Pseudomonas syringae*) and *Botrytis*.

Internship

- Government natural resources organization 2017.