

# Fadwa Benyahia

## PERSONAL

### INFORMATION



Website: ResearchGate: [Fadwa Benyahia](#)

## WORK

### EXPERIENCE

[ 02/2023 – Current ]

#### Research assistant - Post-doc

*Faculty of Agricultural, Environmental and Food Sciences  
Free University of Bozen-Bolzano (Italy)*

## EDUCATION

[ 10/2019 – 10/2023 ]

#### PhD in Mountain Environment and Agriculture

[ 01/2019 – 10/2019 ]

#### International Master in Agriculture Heritage Systems

[ 10/2015 – 10/2017 ]

#### Master of Science in Land and water resources management: Irrigated Agriculture

[ 09/2010 – 07/2015 ]

#### Engineering degree in Agricultural production: Natural Resources Management

## DIDACTIC

### ACTIVITIES

- **2015:** Teaching assistant, Hands-on exercises on GIS software (QGIS, ArcGIS) for the course of “Introduction to GIS” for the 2<sup>nd</sup> year students of agricultural production specialty at the Higher Institute of Agriculture of Mognane
- **2021:** Organization and support for the laboratory exercise on maturity indexes of fruits for the course “Quality of Horticultural products” for M.Sc. students of Food Sciences for Innovation and Authenticity at the Free University of Bozen-Bolzano.
- **2023:** Teaching assistant for the course of “Production chain management/Orchard and vineyard management” for master students of Horticultural Science (IMaHS) at the Free University of Bozen-Bolzano.

## PUBLICATIONS

### Journal articles in refereed academic journals

**2024:** Andreotti C., Benyahia F., Petrillo M., Lucchetta V., Volta B., Cameron K., Targetti G., Tagliavini M. and Zanutelli D. Comparing defoliation and canopy sprays to delay ripening of Sauvignon blanc grapes. *Scientia Horticulturae* 326 (2023) 112736; <https://doi.org/10.1016/j.scienta.2023.112736>

**2023:** Benyahia F., Bastos Campos F., Ben Abdelkader A., Basile B., Tagliavini M., Andreotti C., and Zanutelli D., 2023. Assessing grapevine water status by integrating vine transpiration, leaf gas exchanges, chlorophyll fluorescence and sap flow measurements. *Agronomy* 2023,13, 464. <https://doi.org/10.3390/agronomy13020464>

**2022:** Ben Abdelkader A., Benyahia F., Bastos Campos F., Asensio D., Andreotti C., Tagliavini M and Zanutelli D., 2022. Apple tree transpiration during cycles of progressive drought as assessed via continuous gravimetric and xylem sap flux measurements. *Italus Hortus* 2022, 29, <https://doi.org/10.26353/j.itahort/2022.2.3546>

**2020:** Santoro A., Venturi M., Ben Maachia S., Benyahia F., Corrieri F., Piras F. and Agnoletti M., 2020. Agroforestry Heritage Systems as Agrobiodiversity Hotspots. The Case of the Mountain Oases of Tunisia, *Sustainability* 2020, 12(10), 4054; <https://doi.org/10.3390/su12104054>

## CONFERENCES AND SEMINARS

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- XIII Giornate Scientifiche SOI - Catania, Italy – 22-23 Jun 2021  
Contribution title : “Monitoring water stress in grapevine: a multiple index approach” – Oral
- VIII Convegno Nazionale di Viticoltura - Udine, Italy – 05-07 Jul 2021  
Contribution title: “Monitoring water stress in grapevine: a multiple index approach” – Poster
- 11<sup>th</sup> International Symposium on grapevine physiology and biotechnology -Stellenbosch, South Africa – 31 Oct 2021/05 Nov 2021  
Contribution title: “How effective are plant biostimulants to alleviate drought stress in grapevine?” – Poster
- XV Spanish-Portuguese Plant water relations symposium – 26-28 Jan 2022 – Attendee
- IX Convegno Nazionale di Viticoltura - Conegliano, Italy – 13-15 Jun 2022  
Contribution title: “Application of different commercial biostimulants to enhance vine tolerance toward drought stress” – Oral
- Workshop I dottorandi in viticoltura presentano le loro ricerche – Bologna, Italy – 9 June 2023  
Contribution title: " The use of biostimulants to improve grapevine water stress tolerance" – Oral
- X Congresso Nazionale di Viticoltura – Alghero, Italy – 11-13 Jun 2024  
Contribution title: “Effetti dell’applicazione di biochar sulle risposte fisiologiche della vite, sulla produttività e sull’ emissioni di gas ad effetto serra dal suolo” – Oral Flash
- Sustainable water and soil management for resilient viticulture – Zaragoza, Spain – 1-6 Jul 2024

## SCHOLARSHIPS

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- IAMB grant for study program 2015-2017.
- GIAHS first edition grant for study program 2018-2019.
- UNIBZ grant for PhD studies 2019-2023.

## LANGUAGE COMPETENCE

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Arabic/French: Bilingual  
English: Fluent  
Italian: Intermediate  
Spanish: Beginner

## MEMBERSHIPS

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SOI - Società di Ortoflorofrutticoltura Italiana  
ISHS - International Society for Horticultural Science

## DRIVING LICENCE

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**Date and place**

Bolzano, 01/10/24

**Signature**

Fadwa Benyahia  
(Digitally signed)