

## CURRICULUM VITAE

**Ahmad Alashqar AMARNA**

### PERSONAL DETAILS

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**Date and place of birth:** December 13, 1975, Yabad.

**Marital status:** Married, 3 Son, 3 Daughter

### EDUCATION

**28 September 2023: Ph.D.** from the University of Cordoba, in Crop Diversification and plant diseases, title of thesis: "Crop diversification to control biotic stresses in legumes"

**1998-2001: M.Sc.** in Horticulture and Plant Protection, Faculty of Agriculture, University of Jordan, Amman. **Thesis title:** "Population Trends and Host Preference of Potato Tuber Moth *Phthorimaea operculella* (Zeller) (Lepidoptera: Gellechiidae) to Potato Cultivars in Central Jordan Valley".

**1994-1998: B.Sc.** in Plant Production and Protection, Faculty of Agriculture, An-Najah University, Nablus. Graduation Project "Biological control of Purpul Nutsedge (*Rutendus esculentus*) using Antagonistic Insect".

**1994:** General Secondary School Certificate, Yabad Secondary School, Yabad-Jenin.

### WORK EXPERIENCE

**September, 28, 2023:** Assistant Professor and Researcher, Faculty of Agricultural Science and Technology, Horticultural and Agricultural Extension Department - Palestine Technical University-Kadoorie (PTU).

**October, 1, 2021 – June, 30, 2022:** Researcher at CSIC Cordoba, Spain hired on project: AGL2017-82907-R: Pea and grasspea breeding for pest and disease resistance.

**December, 1, 2019 – June, 30, 2021:** Researcher at CSIC Cordoba, Spain hired on project: AGL2017-82907-R: Pea and grasspea breeding for pest and disease resistance.

**December, 1, 2018 – June, 30, 2019:** Researcher at CSIC Cordoba, Spain hire on project: H2020 SFS-2-2016 DIVERSify “Designing InnoVative plant teams for Ecosystem Resilience and agricultural Sustainability”.

**December, 1, 2017 – December, 31, 2017:** Researcher at CSIC Cordoba, Spain on project: Genetic Improvement of the Pea for Resistance to Disease.

**January, 6, 2010 - March, 30, 2016:** Lecturer and Researcher - Palestine Technical University-Kadoorie (PTU)

**January, 1, 2014 – March, 30, 2016:** Head Department of Applied Arts and Agriculture.

**May, 2, 2002 – January, 5, 2010: Researcher** – Plant Production and Protection, Palestinian National Agricultural Research Center (NARC) – Ministry of Agriculture. Conducting research related to plant Production and Protection (supervising experiments and working in research groups)

**2001-Present: Lecturer and Researcher: (Part Time):** Faculty of Agriculture, Al-Quds Open University, Jenin Education Region- Palestine. Teaching many courses as Botany, Principles of Plant Production, Fruit Trees, Field crop, Medicinal Plant, Entomology, Plant Pathology, Graduation Project for several semesters and other courses.

**2015 : Lecturer and Researcher: (Part Time):** Faculty of Agriculture, AAn-Najah National University, Nablus. Teaching course of Economic Entomology.

**1999-2001: Teaching and research assistant** - Faculty of Agriculture, University of Jordan – Tutoring the practical part of **General and Economic Entomology** courses for four successive semesters.

**2009: Instructor** of several training course in Jericho in cooperation with JICA, Ministry of Agriculture and NARC as:

- December 21, 2008 IBM of vegetable Pests in green hose and open field in Jordan Valley.
- The hazardous and miss use of Pesticides.
- The save use of Pesticides.

**2009: Instructor** of many field days and training Agronomists and farmers in cooperation with JICA, Ministry of Agriculture and NARC as: the monitoring of Insects, Air Born Diseases and Soil Born Diseases. In Jordan Valley.

**February–May, 2003: Instructor** of the training course: Experimental Design and Statistical Analysis for Agronomists in PARC in Azzababda.

**2001-2002: Instructor** of the specialized training course; “Olive Farming and Olive Oil Production and protection” - Al-Quds Open University, Jenin Education Region - for one semester.

**April–May, 2005: Instructor** of the training course; “learning computer software” (Windows, Microsoft word, Microsoft Excel, Microsoft Power Point, presentation skills and internet) held in NARC for learning the employees of the Palestinian ministry of Agriculture.

### **Scientific Publications:**

Villegas-Fernández, ÁM., Amarna A, Moral J, Rubiales D, 2023. C Crop diversification to Control Rust in Faba Bean Caused by *Uromyces viciae-fabae* . *J. Fungi* 2023, 9(3), 344; <https://doi.org/10.3390/jof9030344>

Villegas-Fernández, ÁM., Amarna A, Moral J, Rubiales D, 2021. Crop Diversification to Control Powdery Mildew in Pea. *Agronomy* 11(4):960. <https://www.mdpi.com/2073-4395/11/4/690>

Salman M, Hawamda AA, Amarna A, Rahil M, Hajjeh H, Natsheh B, Abuamsha R, 2011. Evaluation of the incidence and severity of olive leaf spot caused by *Spilocaea oleagina* on olive Tree in Palestine. *American Journal of Plant Sciences* 2(3):457-460. [DOI:10.4236/ajps.2011.23053](https://doi.org/10.4236/ajps.2011.23053)

### **SCIENTIFIC CONTRIBUTION AND CONGRESSES**

Villegas-Fernández AM, Amarna A, Moral J & Rubiales D, 2021. Discerning mechanisms behind disease reduction in faba bean and pea intercropped with cereals. In: *Intercropping for sustainability. Research developments and their application*. 18-21 January 2021.(Poster).

Villegas-Fernández AM, Amarna A, & Rubiales D, 2019. Towards a diversified agriculture: Mixing cereals with legumes in Mediterranean farming systems. In: *II Spanish Symposium on Physiology and Breeding of Cereals*. Cordoba, Spain, March 2019. (Poster).

Amarna A, Villegas-Fernández AM & Rubiales D, 2019. Control de enfermedades en habas y guisantes mediante mezclas de variedades. In: *VII Congreso Científico de Investigadores en Formación de la Universidad de Córdoba*. Córdoba, 6-7 February 2019. (Poster).

Villegas-Fernández AM, Amarna A, Moral J & Rubiales D, 2018. Control de malas hierbas en habas mediante mezclas de cultivos. In: *Jornada científico-técnica Ceia3 y VI Jornada AEL “Leguminosas en la agricultura y la alimentación”*, 22-23 October 2018, Córdoba. Page 58. Poster.

Villegas-Fernández AM, Amarna A, Moral J & Rubiales D, 2018. Diversificación de cultivos para el control de enfermedades en leguminosas: roya en habas y oidio en guisante. In: *Jornada científico-técnica Ceia3 y VI Jornada AEL*

"*Leguminosas en la agricultura y la alimentación*", 22-23 October 2018, Córdoba. Page 57. Poster.

Villegas-Fernández AM, Amarna A, Moral J & Rubiales D, 2017. Faba bean rust and pea powdery mildew management by intercropping with cereals and by cultivar mixtures. In: *Advances in grain legume cultivation and use: Translating legumes research into end-users reality*. Novi-Sad, Serbia, September 2017. Oral

Villegas-Fernández AM, Amarna A, Moral J & Rubiales D, 2017. Use of intercropping in faba bean crops for weed control: In: *Advances in grain legume cultivation and use: Translating legumes research into end-users reality*". Novi-Sad, Serbia, September 2017. Poster.

Villegas-Fernández AM, Amarna A & Rubiales D, 2017. Identification of optimal cereal/legume combinations for Mediterranean rainfed farming systems. In: *15th Congress of the Mediterranean Phytopathological Union*. Cordoba, Spain, June 2017. Poster.

Salman M, Hawamda AM, Amarn A, Rahil M, Hajjeh H, Natsheh B, Abuamsha R. Evaluation of the incidence and severity of olive leaf spot caused by *Spilocaea oleagina* on olive Tree in Palestine. In: *1st International Conference of Olives in Palestine: Fact and Challenges*. Palestine Technical University Kadoorie, Tulkarm, Palestine. February 2011. Oral.

Amarna A and Mustafa T. Host Preference of Potato Tuber Moth *Phthorimaea operculella* Zeller (Lepidoptera: Gellechiidae) to Potato Cultivars in Central Jordan Valley. The Seventh Arab Congress of Plant Protection. The University of Jordan, Amman-Jordan. October 23-26, 2000. Oral.

### **TRAINING and Workshops:**

**February, 13-17, 2023:** Participate in NUFFIC TMT 13 "**Hydroponic for climate smart Agriculture.**" Which organized by the NUFIC PROJECT OKP-PAA-10014 at Wageningen University and research, the Netherland.

**June 29,2022:** Participate in the XII workshop of PhD students of the institute for Agriculture, with oral presentation "**Crop diversification to control biotic stresses in legumes**" in Cordoba Spain.

**March, 11, 2021 (2.5 hours):** (online) Participate in the "**Workshop on the preparation of scientific papers and methodology for the search for scientific-technical information.**" Which organized by the University of Cordoba in Cordoba Spain.

**March, 9, 2021.** (3 hours) Online: Participate in the current virtual seminar: "**Investing in ideas, reaping innovation**". Which organized by the University of Cordoba in Cordoba Spain.

**March, 3, 2020:** (4 hours) Participate in the training course " **PREVENTION OF OCCUPATIONAL RISKS IN FIELD ACTIVITIES**", held at the Institute of Sustainable Agriculture (IAS-CSIC) in Cordoba Spain.

**February, 19, 2020:** (4 hours) Participate in the training course "**PREVENTION OF OCCUPATIONAL RISKS IN THE USE OF CHEMICAL PRODUCTS**", held at the Institute of Sustainable Agriculture (IAS-CSIC) in Cordoba Spain.

**October, 16, 2019** (2 hours): participate in the **Employability Day: "University Week of Plant Improvement"**. In the University of Cordoba in Cordoba Spain.

**June, 14, 2019** (4 hours): participate and present in the seminar for the **meeting of doctoral students in the program of forestal sustainable rural development** by the University of Cordoba in IAS Cordoba Spain.

**April, 25, 2019** (3 hours): participate in the seminar about: **interaction between beneficial rhizospheric microorganisms and plants**, which held in the University of Cordoba, Cordoba, Spain.

**March, 29, 2019** (9 hours): special visit of doctoral students to the **Experimental Station of Zaidín** Granada, Spain.

**November, 6-13, 2017** (30 hours): participate in the intensive training course of: **Techniques for Identification Characterization of Resistance to Pathogens in Plants**. In CSIC, Cordoba, Spain.

**June, 30, 2017** (4.5 hours): participate and present in the seminar for the **meeting of doctoral students in the program of forestal sustainable rural development** by the University of Cordoba in IAS Cordoba Spain.

**May, 11, 2017** (3.5 hours): participate in the seminar about: **agriculture and the electric market evaluation from 1894-2017 in Spain** which held in the University of Cordoba, Cordoba, Spain.

**February, 2, 2017** (3.5 hours): participate in the seminar about: **Improving employability and labor guidance**, which held in the University of Cordoba, Cordoba, Spain.

**January, 19, 2017** (3 hours): participate in the workshop about: **writing of research projects for different national and international calls**. Which held in the University of Cordoba, Cordoba, Spain.

**December, 2, 2016** (3 hours): participate in the seminar about: **environmental and social challenges for sustainable rural development** which held in the University of Cordoba, Cordoba, Spain.

**August, 25-26, 2015**: Participant the training course **leading and being led**, Ramallah, Al-Hamra Hotel, Palestine.

**December, 4-7, 2014**: participate in workshop project training of trainers (**building faculty capacity**), Jericho, Palestine.

**May, 23-24, 2014**: Participant the training course: **Resource development and fund raising**, Ramalla. Palestine.

**June 29, - July, 20, 2012**: Participant in the Seminar on **Agriculture Environment controlling Technologies for developing countries**. Yangling, Shaanxi, China.

**March, 11, 2012**: Participant in the workshop: **Post Harvest Technology**, in PTUK-Tulkarm, Palestine.

**July, 17-21, 2011**: Participant in the training course: **Quality and Management System for Laboratory ISO/IEC 17025: 2005**. in PTUK-Tulkarm Palestine.

**March 15-19, 2009**: Participant in the training course: **Participatory Research and Extension** in Amman, Jordan.

**November-December, 2008**: Participant in the training course: **Methods and Technical Agricultural Extension** (Principles of Agricultural Extension) in Jericho.

**December, 14-16, 2008** :Participant in the training course: **Methods and Technical of the Collective way of Agricultural Extension** in Jericho. Palestine.

**October, 12-15, 2008**: Participant in the training course: **skills of filling and preparing Questionnaires** in Ramalla. Palestine

**May, 25-27, 2008**: Participant in the training course: **The Reuse of Treated Waste Water in Agriculture** in Talkarm. Palestine

**August, 25 – September, 6, 2007**: Participant in the training: **Concepts and Approaches of Strategic and Operational Planning** in Amman. Jordan

**May, 2005-July, 2005:** Participant in the training **Remote Sensing Technology training course** (including Remote Sensing Technology and GIS Applications) Remote Sensing Technology Centre of Japan (RESTEC).

**June, 30-July, 3, 2003:** Participant in the training course: Experimental design and statistical analysis using SPSS and Genstat in Jericho.

**2008-2009: Participation** in several workshops in the Project for Strengthening Support System Focusing on Sustainable Agriculture in the Jordan River Rift Valley which funded by JICA (in Jericho, Ramalla and Jenin)

**February, 2004:** Participant of the workshop; Biodiversity in Palestine in Azzababda.

**September, 1999:** Participant of the following training sessions which were held in the Ministry of Agriculture in Amman:

1. Desert locust and its control.
2. Pests of vegetables and Fruits and its biological control.
3. The mode of action of pesticides and its uses.

## **MEMBERSHIP**

**May, 2010 - Feb, 2011:** Member Organizing Committee of the Water Crises and vision of Agricultural Development which hold in Palestine Technical University -Khadoori Tulkarm-Palestine on 2-3 April 2012.

**May, 2010- February 2011:** Me of Member Organizing Committee of the first International Conference of lives in Palestine: Facts and Challenges held in Palestine. Technical University -Khadoori Tulkarm-Palestine on 8-10 February 2011.

**January, 1, 2003 - March, 30, 2016:** Director of the Arab Society for Plant Protection in Palestine.

**Feb, 1999 - Oct, 2000:** Member Management Committee of the Seventh Arab Congress of Plant Protection held in the University of Jordan- Amman-Jordan on 22-26 October 2000.

**2005-Present:** Member in JICA Alumni Association in Palestine

## **Awards:**

1. April, 6, 2016- January, 31, 2021: Palestine Technical University – Khadorie (PTUK) PhD Scholarship: To complete Ph.D. at the University of Cordoba, Spain.
2. September, 1, 1999- June, 30, 2000: Mango Scholarship for Master Research. University of Jordan –Amman.

## **SKILLS:**

### **Language skills**

<b>Language</b>	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
Arabic– mother language	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Spanish	Good	<b>Good</b>	<b>Good</b>
French	Fair	Fair	Fair
Japanese	Fair	Fair	Fair

### **Computer skills:**

Skilled in using computer software and applications; Microsoft word, Excel, Power point, Statistical Analysis Systems (SAS, SPSS, Genstat) and internet.

Analysis Images that captured from satellites using Remote Sensing Technology and GIS

### **Other skills**

Skilled in olive trees and stone fruits production and protection

Skilled in honeybees keeping

Skilled in home gardening