**Dr. HASSAN ABU-QAOUD**

1. **Category: Associate Professor**
2. **Staff of (name of firm): An-Najah.National University**
3. **Family name:** Abu-Qaoud
4. **First names:** Hassan A.
5. **Date of birth:** 02.12.1958
6. **Nationality:** Palestinian
7. **Place of Residence:** Nablus, West Bank
8. **Civil status: Married**
9. **Education:**

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| --- | --- |
| Institution [Date from – Date to] | Degree(s) obtained |
| Department of Horticulture, University of Illinois at Urbana-Champaign, USA [1989] | Ph.D. Horticulture ( Plant tissue Culture) |
| Department of Plant Production, University of Jordan, Amman-Jordan [1984] | M.Sc. Plant Production |
| Department of Plant Production, University of Jordan, Amman-Jordan [1981] | B.Sc. Plant Production and Protection |
| Training |
| One million tree project, Amman, Jordan [2005] | Training on strategy planning |

1. **Language skills:**

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| Language\* | Reading\*\* | Speaking\*\* | Writing\*\* |
| Arabic | 1 | 1 | 1 |
| English | 2 | 2 | 2 |

\* Mother tongue underline

\*\* Indicate competence on a scale of 1 to 5 (1=excellent; 5 = basic)

1. **Membership of professional bodies:**
* Agriculture Engineers Association
* Amman Center
* The International Association for Plant Tissue Culture and Biotechnology (since 1994)
* Tissue Culture Association (since 1987)
* American Society for Horticultural Science (1987 – 2004)
* Faculty of Agriculture Council (since 2000)
* Agrobiodiversity project at Jenin area (1994 – 1998)
* Agriculture farm Anajah Nat.University (since 2004)
* Plant production Evaluation and Development Committee, NNU (2001 – 2002)
* University Council, NNU (since 2000)
1. **Other skills:** (e.g. Computer literacy, etc.)
* Office
* SAS, SPSS
1. **Present position:** Associate Professor at An-Najah National University
2. **Years within the firm:** 21
3. **Key qualifications:** (Relevant to the assignment)
* 25 years in the business of Agriculture Engineering
1. **Specific experience in the region:**

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| --- | --- |
| Country | Date from - Date to |
| Jordan | 1981 – 1986, 1990 – 1992 |
| 1986 – 1988 | USA |
| West Bank | 1992 – present |

| Date from - Date to1. **Professional experience**
 | Location | Company | Position | Description |
| --- | --- | --- | --- | --- |
| 2000 – present | West Bank | Plant Production and Protection Department, An-Najah National University | Associate Professor | * Chairman of Plant Production and Protection Dept, in addition to teaching and conducting research in the field of plant propagation and tissue culture and supervising Master students in Plant Production ( 6 students) and 5 students in Environmentsl Science
 |
| 1999 – 2000 | West Bank | Plant Production and Protection Department, An-Najah National University | Associate Professor | Teaching basic courses (Botany and Plant Science), plant propagation (Establishing a plant tissue cultue research laboratory) |
| 1997 – 1999 | West Bank | Department of Plant Production and Protection, Faculty of Agriculture, An-Najah National University | Assistant Professor | Teaching and research |
| 1996 – 1997 | West Bank | Department of Plant Production and Protection, Faculty of Agriculture, An-Najah National University | Assistant Professor | Teaching and research |
| 1994 – 1996 | West Bank | Faculty of Agriculture, An-Najah National University | Dean | Adminsritive work in addition of Coordinating a project of the Med- campus project CO57: Identification and determination of common quality parameters in Mediterranean Fruit and Vegetable products |
| 1992 – 1994 | West Bank | Faculty of Agriculture, An-Najah National University | Assistant Professor | Teaching (Botany, Plant prpagation and Applied Statitics) |
| 1990 – 1992 | Jordan | Department of plant Production, University of Jordan | Assistant Professor | Tissue culture project Director. (University of Jordan). Member of National plant biotechnology committee.In addition of teaching Plant prpagation and Statistics |
| 1988 | USA | Department of Agronomy, University of Illinois | Teaching Assistant | Urbana-Champaign, II. 61801 teaching applied statistics and working in a computer lab. |
| 1986 – 1988 | USA | Department of Horticulture, University of Illinois | Research Assistant | Urbana-Champaign, II. 61801 assist in teaching practicle courses in horticulture. |
| 1984 – 1986 | Jordan | Badah Agriculture Company | Assistant Farm Manager | * Establishing an irrigated farm in the desert of Wadi Araba (Southern of Jordan) of 2000 dunums using the Central Pivot system.
* Potato was cultivated as a field crop for this farm it was among the first project using this system in Jordan.
* The project aimed mainly at generate employment, and to expand agricultural production area, through an intensive land reclamation programme in several communities
 |
| 1981 – 1984 | Jordan | Department of plant Production, University of Jordan | Research Assistant | Teaching assistance in the Dept. Of Plant Production |

1. **Other relevant information (e.g.,)**

**Publications**

* **Abu-Qaoud Hassan**, Nuha Shawarb, Fatima Hussen, Nidal Jaradat, Munqez Shtaya. 2016. Comparison of Qualitative, Quantitative Analysis and antioxidant Potential between Wild & Cultivated Borago officinalis leaves from Palestine. Pakistan Journal of Botany. (Accepted) IF = 0.82
* Shannableh,R. , **Abu-Qaoud, H**.,Myzied,N. and Shtaya,M. 2016. Forage yield pearl millet (Pennisetun glaucum) under different water quality and accessions. Indian J. Agri.Res.. (Accepted).
* Shtaya ,MJY., Abdallah, J., Al-Fares, H**., Abu-Qaoud**, H., Abu-Baker, O., Korf MV., Haddad, M. 2015. De-tecting genetic diversity among barley landraces grown in the west-bank, palestine in 2010-2011. **The Journal of Animal & Plant Sciences, 25(5): 2015, Page** 1356-1370.
* Jamous, F., **Abu-Qaoud, H**. 2015. *In vitro* Regeneration of Tomato *(Lycopersicon esculenttum* Mill). **Plant Cell Biotechnology and Molecular Biology** 16(3&4):181-190
* Ebaid, R., **Abu-Qaoud, H**. Arafeh, R. 2014. Molecular characterization of three common olive (Olea europaea L.) cultivars in Palestine, using simple sequence repeat (SSR) markers. **Biotechnology & Biotechnological Equipment**, DOI:

 10.1080/13102818.2014.957026.

* **Abu-Qaoud, H**. 2014. Date Palm Status and Perspective in Palestine In: **Date palm Genetic Resources, Cultivar Assessment, Cultivation Practices and Novel Products.**  J.M. Al-Khayri, S.M. Jain and D.V. Johnson (Editors), Springer, The Netherlands.
* Ebaid, R., **Abu-Qaoud, H**. 2014. Morphological and Biochemical Characterization of Three Olive "Olea europaea L." Cultivars in Palestine. Jordan Journal of Agricultural Sciences, Volume 10, No.1: 130-143.
* **Abu-Qaoud, H**., Shtaya, M. 2014. The Effect of Colchicine on Adventitious Shoot Regeneration from Cultured Leaf Explants of *Petunia hybrid.* ***British Biotechnology Journal***

*4(5): 531-540.*

* **Abu-Qaoud, H**. 2013. Adventitiuos shoot formation and plant regeneration from leaf explants of carnation (Dianthus caryophyllus L.). 2012. **African Journal of Biotechnology** Vol. 12(21), pp. 3244-3249. DOI: 10.5897/AJB2013.12159.
* Al-Fares, H., **Abu-Qaoud**, H. 2012. Molecular characterization of genetic diversity in some durum wheat (Triticum durum Desf.) in Palestine. **African Journal of Biotechnology Vol. 11(51), 11230-11235.**
* **Abu-Qaoud**, H. Improving adventitious shoot regeneration from cultured leaf explants of Petunia hybrida using thidiazuron. 2012. **African Journal of Biotechnology** Vol. 11(51), pp. 11230-11235. DOI: 10.5897/AJB12.1695
* **Abu-Qaoud**, H., Abu-Rayya A and Yaish S. 2010. In vitro regeneration and somaclonal variation of Petunia hybrid. **J. Fruit and Ornamental Plant Res**. 18(1): 71-82
* **Abu-Qaoud. H**. 2007. Effect of scarification, gibberellic acid and stratification on seed germination of three Pistacia species. **An-Najah Uni.J.Res** (N.Sci.) Vol.12: 1-11.
* **Abu-Qaoud. H**., N. Mizyed and A. Othman. 2007. The use of treated gray waste water for irrigation ofrainfed olives in the West Bank. **Bethlehem Uni. Journal** .Vol.26: 10-22.
* **Abu-Qaoud**. H. 2005 Germination of 'Arabequina' olive seeds as affected by chemical scarification, hot water treatment and endosperm tissue. **Jordan Journal of Agricultural Sciences,** Vol.1, No.1. 1-6.
* **Abu-Qaoud**. H. 2004. In vitro organogenesis and shoot regeneration of Cyclamen persicum Mill. Using seedling tissues. **An-Najah Univ, J. Res** 18 (2) 147-156.
* **Abu-Qaoud**. H. 2004. Effect of Hydrogen cyanamide and potassium nitrate on bud break and production of ‘Perlette’ grape in the Jordan Valley. **Jordan Journal of Agricultural Sciences** 31 (1): 46-52.
* Mizyed. N., I. Eqteeshat and H. **Abu-Qaoud**. 2002. Optimum nitrogen fertilization for potato inthe West Bank-Palestine. **An-Najah Univ. J. Res**. 16 (2) 141-154.
* **Abu-Qaoud**. H. 1999. Performance of different grape cultivars for rooting and grafting. **An-Najah Univ. J. Res**. 13: 1-10.
* Altoori. M., M. Omari and H. **Abu-Qaoud**. 1999. Studies on the propagation of Carob Cerotonia siliqua by stem cuttings. **Dirasat 26(2)**
* **Abu-Qaoud**. H. and N. Mizyed. 1998. Response of three wheat cultivars to nitrogen fertilization. **An-Najah Univ. J. Res**.12: 55-69.
* Abo-Omar, J., H. **Abu-Qaoud** and H. Shanti. 1997. The effect of urea on feeding local goats **An-Najah Univ. J. Res**. 11: 79-88.
* Hammaudeh. H.Y., M.A Suwwan, H.A. **Abu-Qaoud** and R.A. Shibli. 1998 Micropropagation and regeneration of Honeoye’ strawberry. **Dirasat, Agri. Sci**. 25 (2) 170-178.
* Sawwan. J H. **Abu. Qaoud** and M. Huzain. 1998. Effect of sucrose levels on the in vitro and ex vitro growth of African violet (Saintpaulia ionantha Wendl). **Adv. Hort. Sci**. 12:8-10.
* **Abu- Qaoud**. H. and J. Sawwan. 1998 In vitro propagation of Yucca elephantipes plant. **The Islamic U.J**. 6(2) 55-65.
* Yousef, A.A.R., M.A. Suwwan, A.M. Al-Musa and H.A. **Abu-Qaoud**. 1997. In Vitro culture and Microtuberization of “Spunta “Potato (Solanum tuberosum L.). **Dirasat, Agri. Sci. 2**4 (2) 173 -181.
* **Abu-Qaoud**. H. 1995. Status of date palm in Palestine. **Options Mediterraneennes** No. A-28.1996 81-84.
* **Abu-Qaoud**, H. and R. Alkoini. 1995. The effect of seed treatments on germination of Gundellia tournefortii seeds. **An-Najah Univ. J. Res**. 3 (9): 58 - 72.
* Sriskandarajah. S., R.M. Skirvin and H. **Abu-Qaoud**. 1990. The effect of some macronutrients on adventitious root development on Scion apple cultivars in vitro. **Plant cell, Tissue and Organ culture** 21:185-189.
* Skirvin, R.M., H. **Abu-Qaoud**, Sriskandarajah and D.E. Harry.Genetics of micropropagated woody plants 1993. In Ahuja. R.M. (Ed). Micropropagation of woody plants. 121-152. Kluwer Academic publishers Netherlands.
* **Abu-Qaoud**, H. and B. Abu-Irmaileh. 1996 Propagation of Banana by tissue culture. **The Islamic Uni.J**. 4 (1): 68 - 77.
* Sriskandandarajah, S., R.M. Skirvin**, H. Abu-Qaoud** and S.S. Korban. 1990. Factors involved in shoot elongation and growth of adventitious and axillary shoots of three apple scion cultivars in vitro. **J.Hort. Science** 65(2): 113-121.
* Chevreau, E., R.M. Skirvin, **H.A. Abu-Qaoud**, S.S. Korban and J.G. Sullivan. 1989. Adventitious shoot regeneration from leaf tissue of three pear (Pyrus sp.) cultivars in vitro. **Plant Cell Reports**. 7:688-691.
* **Abu-Qaoud** H., R.M. Skirvin and F.E. Below. 1991. Influence of nitrogen from and NH4-N/ :NO3 ratios on adventitious shoot formation from pear (Pyrus Communis) leaf explants in vitro. **Plant Cell Tissue and Organ Culture**. 27: 315-319.
* **Abu-Qaoud**, H., R.M. Skirvin and E Cherveau. 1990. In vitro separation of chimeral pears into their component genotypes. **Euphytica**. 48: 189-196.
* **Abu- Qaoud**, H. 1989. In vitro separation of chimeral pear into their component genotypes. Ph. D. Thesis. University of Illinois at Urbana-Champagian. Illinois USA.
* **Abu- Qaoud**, H. 1984. Effect of Indole butyric acid, organic and inorganic Nutrients on the propagation of semihardwood “Nabali Olive cuttings. Msc. Thesis. University of Jordan, Amman, Jordan.
1. **Activities at the An-Najah National University**

 **Instructor at Plant Production and Protection Department: 1992- present.**

**Course taught:**

1st year courses: Botany, Composlsory.

2nd year courses: Principle of Plant Production, compulsory.

 Agriculture in Palestine, compulsory.

 Biostatistics, compulsory.

3rd year courses: Plant Propagation and Nurseries, compulsory.

 Evergreen Fruit Tree, compulsory.

 Seminar in Plant production, compulsory.

4th year courses:PlantTissue Culture, Elective

 Plant Biotechnology, Elective

**Graduate courses:**

Writing Scientific research, compulsory.

Seminar, compulsory.

Advanced Fruit tree, compulsory.

Experimental Design and Analysis

Plant Tissue Culture, elective.

Green House Managment, elective.

**SUPERVISOR,** of 25 graduate students from, Departments of Plant Production

 and Environmental Sciences, An Najah National University since 1998. In addition to Rural development

 program- AlQuds University

* Coordinator of the Master program in Plant production (first program in Palestine) 2006-2012
* Coordinator, Tissue culture Laboratory project, An-Najah National University (NNU), (since 1999)
* Consultant Agricultural Policy and strategy for the ministry of Agriculture (1999)
* Supervisor, University gardens and landscape development Committee, NNU (since 2005)
* Chiarman Plant production and protection department (2002-2012).
1. **Professionel project activities:** (a.o. short term missions)

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| 2013 | Agriculture Expert publishing “An analytical study of the results of the agricultural census (2010) in the Palestinian territories” |
| 2012-2013 | Conducting a commercial project of producing potato tubers in vitro, the project was financed by PICTI |
| 2012 | Food Security Expert working as a team member conducting a study on Palestinian Land Development Needs Assessment. Report compiled by a Purpose Needs Assessment Team commissioned by a Consortium of European Palestinian Land Development Program Donors |
| 2009-2010 | Agriculture Expert of a consultancy team conducting a strategic Planning Development for Nablus Governorate |
| 2009 – present | Thematic consultant for FP7. Ministry of Higher Education. Palestinian Authority |
| 2009 | Agriculture Expert supervising an experimant on storage of potato conducted by a team of the MOA. |
| 2008 – present | Participant in a Mediterranean innovation and research coordination action (MIRA) (FP7-INCO) project |
| 2008 | Agriculture Expert of a consultancy team conducting a strategic Planning Development for Jenin Governorate |
| 2007 | Agriculture expert supervising a project for the use of treated gray waste water for irrigation of rainfed olives in the West Bank (See publication) |
| 2007 | Agriculture Expert Evaluating a project conducted by the ministry of Agriculture on land reclamation in Nablus District, financed by the Government of Spain, focuses on both the employment generation and the agricultural sector in the district. It has two main purposes: to generate employment and to expand agricultural production, through a very labor-intensive land reclamation programme in fifteen selected villages of the District. It was aimed that by the end of the project about 2,400 dunums of land owned by small land owners will have been reclaimed, terraced, equipped with cisterns for rainwater catchments and storage, fenced, and planted with fruit trees. Farmers will also have been provided with extension support services. In doing so, the project will have generated 90,000 work/days. |
| 2006 – 2012 | Agricultural experts conducting several Environmental Impact Assessment of different projects on different locations focusing on the effect of theses projects on the Flora and Fauna of the locations including; Rawbi city, Azoun, Dura, Tarqumieh, Jerico, Yaba'd, Al yamoon and Salfeet |
| 2006 | Agricultural Expert Evaluating a project conducted by several non governmental organization to assist in the production and marketing of 200 tons of extra virgin olive oil from the Assera Al-Shamalieh region, with strict adherence to export trade requirements. The project is funded by the Participatory Natural Resource Management Programme (PNRMP) as a loan by IFAD to Palestinian Authority and executed by UNDP/PAPP integrated the olive sector as part of its components. |
| 2006 | Agricultural Expert: Evaluating study of a project with Care international on food security in Tulkarem and Jenin districts entitled: "EMERGENCY ASSISTANCE FOR IMPOVERISHED HOUSEHOLDS TO IMPROVE FOOD SECURITY IN VILLAGES AFFECTED BY THE WALL” The project focused on the food supplies, agricultural inputs and agricultural roads in rural areas impoverished by the wall. The project was funded by the European Commission for Humanitarian Aid (ECHO). Project aims to improve food security for 763 poor and marginalized Palestinian households in ten villages in the Jenin District of the West Bank. The project activities include: the introduction of high-yielding small ruminants, diverse crops, and water conservation systems; training and extension services in animal husbandry, water resource management, and small-scale agriculture; and, the development of village-based producer and marketing cooperatives or associations. |
| 2005 | Agricultural Expert working with Palestine Economic policy Research Institute (MAS). The project aimed at understanding how the agricultural sector has changed in order to provide agricultural experts and farmers with updated information on the current situation with regard to agricultural production, food demand, and pricing and to help them get the best profit out of their agricultural production. This research work is part of a EC funded project (ONG/PVD/2004/061-180) aimed at improving the economic and social condition of Palestinian rural villages in the Tulkarem and Qalqilya Districts (West Bank) by increasing agricultural productivity and profitability and enhancing food security. |
| 2004 – 2005 | Researcher for The Socio-economic Study for the Desertification Control Project's Sites in Hebron Area |
| 2001 | Project investigator.Conducting an Environmental Impact Assessment for Nablus –Jenin road's project |
| 2000 – 2005 | Project investigator (Palestine) for the improvement of olive production in semi-arid condition (International project) |
| 1999 – present | Tissue culture project Director, An-Najah Nat. University |
| 1999 – 2004 | Project investigator (Palestine) for the conservation and sustainable use of dry land Agro-Biodiversity of the Palestine (International Project) |
| 1996 | Director of a cooperative project with phoenix station at Elche (Spain) for improving in vitro propagation of date palm. |
| 1990 – 1992 | Tissue culture project Director. (University of Jordan). Member of National plant biotechnology committee. |