

## General Details

Name: **Heba Mu'een Abd El Raouf Al-Fares**

Date of Birth: **1973**

Nationality: **Palestinian**

Membership in professional Societies: **Member of the Jordan agricultural Engineers Association**

Email Address: **hb\_alfa@yahoo.com, heba-alfares@najah.edu**

Mobile: 00972597097069

## Education

**PhD and Master Degree in Horticulture and Crop Science, 2010**

**The University of Jordan**

**Dissertation Title Identification of QTL Associated with Drought Tolerance in Barley (*Hordeum vulgare* L.). GPA (Excellent)**

**Master Degree in Environmental protection & science, 2002**

**An-Najah National University. University.**

**Thesis Title Comparative Study of Genetic Diversity in Durum Wheat in Palestine. GPA (Good)**

**B.SC. Degree in Plant Production & Protection, 1999**

**An-Najah National University GPA (Good)**

## Research interests

**Plant molecular biology**

**Gene mapping and QTL analysis**

**Plant breeding, marker assisted selection and abiotic stress response**

**Environmental impact assessment**

### **Employment Record**

**Job Title: Head of Plant Production and Protection Department**

**Name of Employer : Department of Plant Production and Protection, Faculty of Agriculture, An-Najah National University**

**From - To : July / 2012 – Until now**

#### **Main duties**

- Lead the Department to develop and maintain strong, relevant research, teaching, and extension programs.
- Foster strong working relationships between the Department and its alumni, employers, community and news media.
- Develop and manage budgets.
- Represent the Department in communications with the college and the university;
- Have a strong commitment towards faculty development and help promote the Department's growth and success

#### **Teaching Experiences**

**Undergraduate students (BSc):** Principle of Genetics, Environment in Palestine, and Plant biotechnology, Food Biotechnology

**Graduate students (Master):** Soil, Water & Plant Relationship, Water - Plant - Soil System, Vegetable production, Wildlife protection and management, and Plant biotechnology, Plant Breeding

**Job Title: Assistant Professor**

**Name of Employer : Department of Plant Production and Protection, Faculty of Agriculture, An-Najah National University**

**From - To : January / 2011 – Until now**

#### **Teaching Experiences**

**Job Title Environmental specialist**

Name of firm **Consolidated Consultants for Engineering and Environment**

From - To **Feb-2009 - Mar- 2010**

#### **Main duties**

- Provide technical expertise in Occupational Safety and Health-related (OSH) areas
- Designing, writing and editing environmental reports and permit applications
- Research and collecting data
- Responsible for compliance management of construction project
- Conducting field inspection and report
- Working onsite at utility/construction project
- Follow up for environmental impact for project t, dealing with all environmental and safety issues.
- Conduct awareness campaigns regarding environmental issues for workers and surrounding societies for all projects.
- Inspect and make decision concerning reduction of environmental impact on surrounding wildlife, water resources and people.

Job Title: **Research assistant**

Name of Employer : **The University of Jordan**

From - To : **2006-2008**

**Preparing and participating in teaching during courses** related to Sustainable Agriculture, Good Agricultural Practices (GAP), GIS, Food Security, Bioinformatics, Tissue Culture, Plant Breeding, Biodiversity, Plant Ecology, Plant Nutrition, and Soil Fertility.

#### **Laboratory and field work**

Plant propagation and Vegetables production lab courses

**Laboratory works:** Molecular marker (SSR, AFLP and RAPD), Using PCR, DNA sequencer, electrophoresis, and manual silver staining.

**Field works:** Planting and planning field experiments, Hand pollination of cereal crops, Data gathering and measurements

#### **Data analysis:**

- ❖ QTL analysis: mapmaker, QTL Cartographer V2.5
- ❖ Statistical analysis using SAS and SPSS

Job Title: **Technical Manager of Middle East - Regional Agricultural Program, Head of Planning and Extension Programs**

Name of Employer : **Ministry of Agriculture**

From – To: **2002 - 2003**

#### **Main duties**

- Assist the project coordinator in all project activities.
- Ensures regular activity progress.
- Preparing and finalize the daily, monthly and annual reports.
- Organizing workshops “Training, Meeting”.
- Designing and proceeding yearly extension programs for the extension agents.

Job Title **Head of Agricultural Rural Development**

Name of Employer **Ministry of agriculture**

From - To : **2000 - 2002**

#### **Main duties**

- Assessing and analyzing local communities needs. Developing needed activities.
- Raped rural appraisal in the target area to collect information about the villagers life concentrating on social and economical life investigating the women and its rule that she play in the management of enterprises and project.
- Training courses related to extension for national resources.
- Preparing and organizing the field days.
- Organizing training program co-operating with UNDP and NGOs.

#### **Publications**

Al-Fares H., Abu-Qaoud H., (2012) **Molecular Characterization of Genetic Diversity in Durum Wheat Landraces in Palestine**. Vol.11(66), pp. 12958-12963. AJB

Al-Fares H., Akash M.W., Kafawin O. **Identification of QTL Associated with Drought Tolerance of Barley (*Hordeum vulgare* L.)** (Under processing)

#### **Conferences Attended**

Al-Fares H., Abu-Qaoud H. (2011) .Molecular Characterization of Genetic Diversity in Durum Wheat Landraces in Palestine. **International Graduate Conference on Science, Humanities and Engineering.**

Al-Fares H., Akash M.W., Kafawin O. (2012) Identification of QTL Associated with Drought Tolerance of Barley (*Hordeum vulgare* L.). In Jordan – Irbid. **The Seventh Scientific Agricultural Conference SSAC-2012**

#### **Workshops Attended**

ARIJ and the MOA, Palestinian Forests Sustainability and Rehabilitation: Al Qarin Protected Area in the Southern West Bank and Umm At Tut Area in the Northern West Bank within the Mediterranean Eco-system. 2012., Palestine- Bethlehem

ARIJ, promoting socioeconomic sustainable development through innovative technological action in the field of cultural heritage conservation and protection of natural areas in Mediterranean Basin. 2012. Palestine, Nablus

### Advisor / committee member

#### Committee member:

1. Identification of Resistant Sources to Leaf Rust and Powdery Mildew Disease in Oats. 2011  
 Author: Omar Issam Abed Allah Abu Baker.  
  
 Supervisor : Dr. Munqez Shtaya
  
2. Phenotypic characterization of faba bean (Vicia faba L.) landraces grown in Palestine. 2012  
 Author: Talal Hassan Mosa Al Barri  
  
 Supervisor : Dr. Munqez Shtaya
  
3. Morphological and Genetical Characterization of the main Palestinian olive (Olea europaea L.) cultivars. 2012  
 Author: Ramiz Jawad Omar  
  
 Supervisor : Dr. Hassan Abu-Qaoud

### Training

Name and location of school or training place	Month and year attended  From To	Degree/ certificate achieved	Subject

Name	Occupation or Business	Telephone Number	Country	Email Address
<b>Dr. Mahmud Duwayri</b>	<b>Professor of Plant Breeding / The University of Jordan</b>	<b>(00962)6- 5355000</b>	<b>Jordan</b>	<b>duwayri@ju.edu.jo</b>
<b>Dr. Hassan Abu- Qaoud</b>	<b>AN-Najah National University</b>	<b>(00972)9 9721072</b>	<b>West Bank</b>	<b>hassan@najah.edu</b>
<b>Dr. Mahmud Kasrawi</b>	<b>Professor of Plant Breeding / The University of Jordan</b>	<b>(00962)6- 5355000</b>	<b>Jordan</b>	<b>Kasrawi@ju.edu.jo</b>
<b>Dr. Muhanad W. Akash</b>	<b>Associate Professor of Plant Breeding / The University of Jordan</b>	<b>(962)796 955958</b>	<b>Jordan</b>	<b>makash@ju.edu.jo</b>