

## Curriculum Vitae

### **PERSONAL INFORMATION:**

**Name:** Khaled

**Family Name:** Abulaila

**Position:** Researcher/Botanist/Conservation  
Biologist/Herbarium Keeper

**Interest:** Wild flora native to Jordan (survey, Identification, conservation and rehabilitation) especially threatened species, mainly Wild relatives and members of Orchidaceae.



**Work address:** National Center for Agricultural Research and Extension (NCARE) PO. Box 639, Baqa' 19381, Jordan

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**Date of birth:** 5 / 10 / 1970

**Place of birth:** Amman - Jordan

**Citizenship:** Jordanian

**Marital status:** Single

**Religion:** Muslim

### **EDUCATION:**

- 1- **1992**, B.Sc., in plant production, Faculty of Agriculture, University of Jordan – Amman-Jordan (Grade: Very Good)
- 2- **1995**, M.Sc., in Horticulture, Faculty of Higher studies, University of Jordan-Amman-Jordan (Grade: Very Good).
- 3- **2012**, PhD, In conservation biology, University of Jordan and Royal Botanic Garden/Kew/UK. (Grade: Excellent)

Title of Thesis: **ECOLOGY AND EX SITU CONSERVATION OF *Orchis sancta*(L.) AND *Orchis papilionacea*(L.) (Orchidaceae) IN JORDAN**

### **WORK EXPERIENCE:**

- **10/11/1996– Present: Researcher Conservation Biologist, Herbarium keeper / NCARE**

**Responsibilities:**

\*Floral survey, Identification of specimens collected, seed collection and conservation.

\**Ex situ* conservation, Seed banking, species rehabilitation.

\*Team partner (taxonomist) KEW garden (UK) MSB project.

\*Member of Board of Royal Botanic Garden/ Tell Rumman/Jordan.

\*Member of Board of Red List species/RBG/IUCN

\*Member of IUCN/SSC Orchid Specialist Group, the leading international network for orchid conservation.

\*National coordinator of joint collaboration between NCARE and the Center of Genetic Resources at the Netherlands (CGN); Conservation and utilization of crop wild relatives of vegetables native to Jordan.

- 5/1995 – 11/1996: Researcher assistant/Jordan Arid Zone Productivity Project/University of Jordan

- **Responsibilities:**

- \*Responsible for experiments of evaluation of fruit trees performance under drought conditions using drought tolerant wild rootstocks adapted to the local environment using various methods of water harvesting techniques.

- \*Studies on vegetation cover, soil seed bank dynamics under various land uses.

- \*Teaching fruit trees & plant propagation laboratories.

- **9/1993-6/ 1995: Teaching assistant:**

- **Responsibilities:**

- \*During M.Sc. period, assisting in laboratories preparations and teaching (fruit production plant propagation and tissue culture).

**LANGUAGES:**

1- Arabic: excellent

2- English: excellent

**TRAINING, WORKSHOPS, CONFERENCES, MEETINGS, & PUBLICATIONS:**

**Training**

**24-31/3/1996**, Water harvesting course –1 week-(University of Jordan &ICARDA).

**10-14/5/1998**, Management and handling characterization data.-1 week-(ICARDA /Syria)

**6-8/9/1998**, Biotechnology (fingerprinting of Date Palm varieties)-1 week-The Arabic Organization for Agricultural Development &The Ministry of agriculture-Jordan.

**21/10/-18/12/1998**, Biodiversity Information System-2 months -Nature Conservation Bureau/ Environment Agency. JICA/ JAPAN

**6<sup>th</sup> – 8/ 1998**, Palm date finger printing using Neucleic acids technology training course / Arab Organization for Agricultural Development / Amman - Jordan.

**3-14/9/2000**, Statistical Analysis of data, Coputer unit/ ICARDA/ Aleppo/Syria.

**8-18/5/2007**, Tropical plant identification course/ Herbarium of Royal Botanical Gardens/ Kew, UK.

**22-28/9/2008**, Training workshop on climate change and adaptation strategies for AREN member universities, Faculty of Science, University of Jordan, Amman, Jordan.

**20/2-10/6/2008**, Plant Taxonomy/ Dept of Biological Science/ Faculty of Science, University of Jordan, Amman, Jordan.

**17-21/1/2011**, West Aisa Red List Training of Trainers workshop, IUCN, International Union for Conservation of Nature-Regional office for West Asia (ROWA)/Jordan.

**25-29/11/2012**, The Red List Training Workshop, Royal Botanic Gardens/Kew/ United Kingdom

**13/4-4/3/2013** Contemporary approaches to genetic resources conservation, Wageningen, Netherlands.

### **Publications**

- M.Sc thesis on survey, characterization and utilization of Sahara Almond 'Amygdalus arabica' on Agris Data Base, 1995.

- Co-author of Jordan Collection Guid, 2005, Species Targeting Team for Millennium Seed Bank Project/Royal Botanic Gardens/KEW and Plant Genetic Resources Unit/NCARE.
- A co-author of annual Booklet, 2003, " *A Window on Wild Plants in Jordan*" Plant Genetic Resources Unit/NCARE in collaboration with Royal Botanic Gardens/KEW.
- K.Abulaila & Z.Tehabsem, "Toward Conservation of Jordanian Flora", Proceedings of Fourth Meeting of the Presidents of the Science and Academies and Councils of the Middle East, March19-21.2007, Seville, Spain.
- Co-author of “**COUNTRY REPORT ON THE STATE OF PLANT GENETIC RESOURCES FOR FOOD AND AGRICULTURE**” The Hashimite kingdom of Jordan, Amman, Jordan, 2007
- Feras Q. Alali\*, Khaled Tawaha, Tamam El-Elimat, Maha Syouf, Mosa El-Fayad, Khaled Abulaila, Samara Joy Nielsen, William D. Wheaton, Joseph O. Falkinham III, and Nicholas H. Oberlies. "Antioxidant activity and total phenolic content of aqueous and methanolic extracts of Jordanian plants: an ICBG project". *Natural Products Research*. Volume 21, Issue 12 October 2007 , pages 1121 – 1131.
- Background paper on biodiversity in Jordan, submitted to The International workshop on strategies and technologies for conservation & sustainable use of biodiversity in large West Asian & North African landscapes / Marsa Matrouh, Egypt, 13-18 March 1999.
- Abulaila, K., 2006, *Iris nigricans*, Plant story, Kew, [http://www.kew.org/msbp/plantstories/Iris\\_nigricans.htm](http://www.kew.org/msbp/plantstories/Iris_nigricans.htm)
- Abulaila, K., 2005, *Moringa peregrina*, Plant story, Kew, [http://www.kew.org/msbp/plantstories/Iris\\_nigricans.htm](http://www.kew.org/msbp/plantstories/Iris_nigricans.htm)
- Abulaila, K., 2009, Desert plants rescued. Samara, ISSUE 16\_JANUARY-JUNE 2009.
- AL-DABBAS, M. M.; AHMAD1, R.; AJO, R. Y.; ABULAILA, K.; AKASH, M. AND AL-ISMAIL, K. (2010) Chemical composition and oil

components in seeds of *Moringa peregrina* (Forssk) Fiori. Crop Res. 40 (1, 2 & 3) : 161-167

- Abulaila, K. M. (2012) *In situ* and *Ex situ* Orchid conservation in Jordan. Samara, Issue 23.
- Abulaila, K.M. (2012). Orchid conservation in the desert. The Orchid Review, Vol.120, No. 1299
- Abulaila, K.M. (2014) Searching for useful Jordanian native species. Samara, Issue 26.

### **WORKSHOPS, CONFERENCES, MEETINGS:-**

- Workshop and seminars of Jordan Arid Zone Productivity Project (JAZPP) since 1995 till 1996.
- Olive workshop at the U.of Jordan (1996).
- Various conferences and seminars of plant tissue culture.
- Seminars in computer and the of the Networks (Internet)/ NCARE and University of Jordan, 1998
- National agricultural conference (Jordan/ Agr.Eng.Ass), 2000
- Workshop on medicinal and herbal plants in Jordan (Promotion and preservation of Medicinal and Herbal plants)/NCARTT, 2003
- International workshop on strategies and technologies for conservation & sustainable use of biodiversity in large West Asian & North African landscapes / Marsa Matrouh, Egypt, 13-18 March 1999. (Preparation of background paper on Biodiversity status of Jordan, poster preparation and presentation)
- Scientific visit to KEW Gardens Herbarium (Taxonomical studies of target families) and MSB project (seed storage techniques, germination and viability tests) Besides, getting introduced to use machines to be delivered, 2003.
- The 2<sup>nd</sup> national workshop of Plant Genetic Resources and Biodiversity of Jordan / NCARTT & UNDP. Dana reserve / Jordan, 2001,
- Scientific visit for GIS study of Wild Flora / Millennium Seed Bank and the Royal Botanic Gardens at Kew / United Kingdom, 2005
- Fourth Meeting of the Frontiers of Science and Engineering in the Middle East”, March 19-21.2007, Seville, Spain, 2007

- The BGCI 2<sup>nd</sup> conference for Arab Botanic Gardens. 'Linking and strengthening the Botanic Gardens of the Arab League' Amman-Jordan. 26-27 March 2007.

## **INFORMATIONS ON SCIENTIFIC ACHIEVEMENTS:**

### **RESEARCH PROJECTS:**

1. Collection and Conservation of plant genetic resources at NCARE Genebank (continuous project).
2. Collection, Study, and evaluation of genetic diversity of *Pistacia* species in Jordan (1998-2001)
3. Using native wild relatives of pome and stone fruits in improvement of fruit trees plantations in Jordan (1996-1999)
4. Survey, collection of seeds and herbarium specimens and conservation / Mellinium Seed Bank Project( MSBp)/Royal Botanic Gardens/KEW/UK.
5. Team Leader Botanist, component of vegetation cover: United Nations Compensation Commission, 2010: Floral survey and habitat restoration.
6. Badia Ecosystem Livelihood Project/Vegetation Assessment, 2014: Floral survey and use of water harvesting for habitat restoration.
7. Survey and conservation of crop wild relatives of carrot and cucurbitaceae native to Jordan.

### **OTHER ACHIEVEMENTS:**

- IUCN categorization of first 1024 Jordanian plant species in a workshop from 10-20<sup>th</sup> March 2013
- Training of researchers from RSCN and other national organization in a training course held from 14-15<sup>th</sup> Nov at RSCN head quarter on: Taxonomic Skills of Fauna and Flora.
- Baseline survey of the newly established Royal Botanic Garden/ Tell Rumman/Jordan.
- Quadrat Survey of Wadi Butom site as a dispatched area belongs to the Royal Botanic Garden/Tell Rumman from 23-25<sup>th</sup> April 2009 as part of collaboration between NCARE and RBG/Tell Rumman as a study toward restoration of the habitat and protection of vegetative cover.
- Comprehensive surveys of the local herbaria of Jordan, documentation as text and image data.
- The 3<sup>rd</sup> Country Report on the state of Plant Genetic Resources for Food and Agriculture (PGRFA) in Jordan submitted to FAO, 2006,
- Establishment of the herbarium at the Royal Botanic Garden/ Tell Rumman/Jordan.

- Identification of herbarium specimens of Mellinium Seed Bank Project surveys from 2001 till now. In addition to identification of specimens delivered from projects carried out by students in local institutions and consultation.