

Personal information:

Name: Ayed Al Abdallat, Ph.D.

Date and place of birth: December 1st, 1974, Amman, Jordan.

Current address:

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Qualifications:

Academic:

- ❖ B.Sc.: University of Jordan, Amman, Jordan (1993-1997).
B.Sc. degree in plant production.
Ranked the first: Average: 3.64 out of 4, rating: very good.
- ❖ M.Sc.: University of Jordan, Amman, Jordan (1997-1999).
M.Sc. degree in horticulture and plant protection
Ranked the first: Average: 3.94 out of 4, rating: Excellent.
M.Sc. Project: Effect of Explant Type and "Sucrose, CCC, Nitrogen, pH and CO₂" Levels on Microtuberization of "Spunta" Potato.
- ❖ Ph.D.: Plant Molecular Biology,
George August University, Göttingen, Germany
October 2000 - July 2004, Germany,
Average: Exams branch: Botany, Genetics, Biochemistry, rating: Excellent.
Thesis branch, rating: very good. Ph.D. thesis: Isolation and Characterization of Proteins Interacting with Tobacco Transcription Factor TGA2.2.

Employment:

- ❖ Research Associate Professor in plant molecular biology: February 2005 - February 2006, University of Nebraska, Lincoln, USA
- ❖ Current position: Assistant Professor: February 2006 - , University of Jordan, Jordan. Teaching: 30 %, Research 70%.

Academic awards and honours:

- ❖ DAAD (Germany Academic Exchange Service) stipendium for Ph.D. study in Germany.

Grants awarded:

- ❖ May 2009, Ministry of Higher Education and Scientific Research: 100000 \$. Project title: A Biotechnological approach to improve drought tolerance traits in local barley genotypes.
- ❖ January 2009, Higher Council for Science and Technology: 95000 \$. Project title: A Novel Biotechnological Approach to Improve Water Use Efficiency in Barley through Regulating Stomatal Closure under Drought Conditions.
- ❖ January 2009, University of Jordan, Hamdi Mango Center for Scientific Research: 70000 \$. Project Title: Biotechnological Systems for Secondary Metabolites Production from Hawthorn (*Crataegus azarolus* L.).
- ❖ May 2007, University of Jordan, Deanship of Academic Research: 50000 \$. Project title: Using of a Truncated Tomato Yellow Leaf Curl Virus (TYLCV) Rep Gene to Engineer Jordanian TYLCV Resistant-Tomato Plants.
- ❖ March 2007, University of Jordan, Deanship of Academic Research: 75000 \$ over three years. Project title: Enhancement of Drought Tolerance in Barley (*Hordeum vulgare* L.) by the Manipulation of Stress Responsive genes.
- ❖ September 2006, University of Jordan, Deanship of Academic Research: 50000 \$. Project title: Cloning and introducing of drought tolerance genes to engineer drought-tolerant tomato plants.

Publications:

1. Al-Abdallat A.M. Suwwan M. A. (2002) Effect of Explant, Sucrose and CCC on Microtuberization of 'Spunta' Potato. *Dirasat, Agriculture Sciences*, vol. 29 No. 1: 19-27.
2. Al-Abdallat A.M. Suwwan M. A. (2002) Influence of Sucrose and CO₂ Enrichment on Potato (*Solanum tuberosum*, L.) Tuberization in vitro. *Dirasat, Agriculture Sciences*, vol. 29 No. 2: 88-96.
3. El-Naggar H.M., Read P.E. and Al-Abdallat A. (2006) The *PAL* Gene Activity in Five Rosemary Genotypes and Its Effect on the Production of Rosmarinic Acid. *HortScience*, 41: 1078.
4. Ndamukong I., Al Abdallat A., Thurow C., Fode B., Zander M., Weigel R. and Gatz C. (2007) SA-Induced Arabidopsis Glutaredoxin Interacts with TGA Factors and Suppresses JA-Induced PDF1.2 Transcription. *The Plant Journal* , 50(1):128-39 (*)
5. Saleh A., Al-Abdallat A., Ndamukong I., Alvarez-Venegas R. and Avramova. Z. (2007) ATX1 and CLF Establish a Bivalent Chromatin Mark at the Silenced AGAMOUS Locus in Arabidopsis. *Nucleic Acids Research*, 35(18):6290-6296.
6. Alvarez-Venegas R., Al-Abdallat A., Guo M., Alfano J. and Avramova. Z. (2007) Epigenetic Control of a Transcription Factor at the Section of Two Antagonistic Pathways. *Epigenetics*, 2(2): 106-113.
7. Saleh A, Alvarez-Venegas R, Yilmaz M, Le O, Hou G, Sadder M, Al-Abdallat A., Xia Y, Lu G, Ladunga I, Avramova Z. (2008) The Highly Similar Arabidopsis Homologs of Trithorax ATX1 and ATX2 Encode Proteins with Divergent Biochemical Functions. *The Plant Cell*, 20(3): 568-579.
8. Ding, Y. Lapko, H. Ndamukong, I Xia, Y. Al-Abdallat, A. Lalithambika, S. Sadder, M. Saleh, A. Fromm, M. Riethoven, J. Lu, G. Avramova, Z. (2009) The *Arabidopsis* Chromatin Modifier ATX1, the Myotubularin-like AtMTM, and the Response to Drought. *Plant Signaling and Behavior*, 4: 1049-1059.
9. Akash, M.W. Al-Abdallat, A. Saoub, H. Ayad, J. (2009) Molecular and Field Comparison of Selected Barley Cultivars for Drought Tolerance. *Journal of New Seeds*, 10: 98-111.
10. Ghaleb W., Sawwan J., Akash M., Al-Abdallat, A.M. (2010) *In Vitro* Response of Two Citrus Rootstocks to Salt Stress . *International Journal of Fruit Science*, 10: 40 – 53.
11. Abu-Amer J., Saoub H., Akash M., Al-Abdallat, A.M. (2010) Genetic and Phenotypic Variation among Faba Bean Landraces and Cultivars. *International Journal of Vegetable Science*, **In press**.
12. Ayad, J., A. Al-Abdallat, and Hani Saoub. (2010). Variation in Root Water and Nitrogen Uptake and their Interactive Effects on Growth and Yield of Spring Wheat and Barley Genotypes. Accepted for publication in, *International Journal of Botany*.
13. Al Abdallat A.M., Al Debei H., Al Asmar, H., Misbeh, S., Quraan, A., Kvarnheden A. (2010) An Efficient *in Vitro* Inoculation Method for *Tomato yellow leaf curl virus*. *Virology Journal*. 7: 84.
14. Al Abdallat A.M., Al Debei H., Al Akash M., Misbeh, S., Kvarnheden A. (2010) Complete Nucleotide Sequences and Construction of Infectious Clones of Two Jordanian Isolates of *Tomato yellow leaf curl virus*. *Jordan Journal of Agricultural Sciences*, **Accepted manuscript and in press**.

15. Al Abdallat A.M., Suwwan, J., Al Zoubi B. (2010). *Agrobacterium tumefaciens*-Mediated Transformation of Callus Cells of *Crataegus aronia*. Plant Cell, Tissue and Organ Culture, Accepted manuscript, online published and in press.