



CURRICULUM VITAE

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Education

B.Sc. 1993, Agriculture Science (Major Horticulture/Vegetables), Assiut Univ., Egypt.

M.Sc. 1998, Vegetable Breeding, Assiut Univ., Egypt.

Ph.D. 2004, Molecular Genetics, a joint Ph.D. program between Assiut Univ. and the Federal Center for Breeding Research in Cultivated Plants, Germany

Current Professional Position:

Assistant Professor of Vegetable Production Technology, Assiut University, 71526 Assiut, Egypt

Scientific Qualifications

- 1- BSc, Agriculture (Vegetable Crops), June 1993, final grade "very good, honors.
- 2- MSc, Vegetable Crops, Horticulture Department, Faculty of Agriculture, University of Assiut. Thesis title "*Performance of faba bean (Vicia faba L.) genotypes in Orobanche infested soil*".
- 3- Ph.D, (Molecular Genetics) March 2004, Cooperative Project between Horticulture department, Faculty of Agriculture, University of Assiut and the Federal Center for Breeding Research in Cultivated Plants, 06484 Quedlinburg, Germany. Dissertation title: "*Polymerase Chain Reaction (PCR)-Based Marker for the genome and Nematode Resistance QTL(s) in Raphanus sativus L.*"

Teaching Experience:

A- Selected Educational Activities

No	Activity name	Place	Date	Year
1	Greenhouse Management and Technology Workshop	MUCIA Office, 7 Nad El Sad St., Dokki, Cairo, Egypt	15-19 Aug	2007
2	First US Faculty Developing Program	Florida and Ohio Universities	March 20 th – May 1 st	2005
3	Teaching Methods and Curriculum Development	Le Meridien Hotel , Luxor, Egypt	4 – 7, Jan	2004
4	Needs Assesment&Capacity Building Workshop	Assiut University, Assiut, Egypt	14 Sept	2004
5	Teaching Methods and Curriculum Development Workshop	Assiut University Hotel, Assiut, Egypt	10 – 11, Jan	2005
6	Principles of Horticultural Crops Propagation	Ghazala Hotel, Sharm El Shak, Egypt	3 – 8 Aug	2005
7	Peer Evaluation and Review	Assiut University Hotel, Assiut, Egypt	31 Dec	2005
8	Establishing Student Internship Program and Outstanding Teacher Academy Workshop	MUCIA Office, 7 Nad El Sad St., Dokki, Cairo, Egypt	15, March	2006
9	Developing Work Plans: Assisting Farmer Groups in Upper Egypt to Improve Product Quality and Identify Market Opportunities	Ain Sokhna Resort, Cairo, Egypt	23 - 25	2006
10	Capacity Building Component professional Faculty Development Workshop	MUCIA Office, 7 Nad El Sad St., Dokki, Cairo, Egypt	16 – 17 April	2006
11	Agricultural Technical Schools Capacity Building	Le Meridien Hotel Luxor	11 – 12 July	2006

12	Agricultural Technical Schools Training of Trainers (TOT) Workshop	Ain Sokhna Resort, Cairo, Egypt	24 – 27 July	2006
13	Agricultural Technical Schools Teaching Methods and Curriculum Development Workshop	Le Meridien Hotel Luxor, Luxor, Egypt	30 -31 July	2006
14	Agricultural Technical Schools Teaching Methods and Curriculum Development Workshop	Le Meridien Hotel Luxor, Luxor, Egypt	1 - 3 Aug	2006
15	Capstone Course	Etap Hotel, Minia, Egypt	19 – 21 Nov	2006
16	Agricultural Technical School Lesson Plans	Movenpick Hotel, Giza, Egypt	23 – 27 Jan	2007
17	Strategic planning for Higher Agriculture Education	Ain Sokhna Resort, Cairo, Egypt	14 – 16 March	2007
18	Developing Supervised Experience Programs for Agricultural Technical School Students	Le Meridien Hotel Luxor, Luxor, Egypt	15 – 20 July	2007

B- Teach the following Courses

No	Course name	Semester	Undergraduate	Graduate	Duration
1	Production of Greenhouse vegetables	Autumn	4 th year		semester
2	Principles of Vegetable crops production	Autumn	3 rd year		Half semester
3	Principles of Vegetable crops breeding	Autumn	3 rd year		Half semester
4	Vegetable crops production	Autumn	3 rd year 4 th year		Half semester
5	Reproduction of Vegetables crops	Spring	3 rd year		Half semester

6	Principles of plant tissue culture	A/S		X	Semester
7	Production of Vegetables Hybrids	A/S		X	Semester
8	Statistical design and analysis of vegetable traits.	A/S		X	Half semester

Research Experience:

1-Experimental design and statistical analyses

2- Computer programs:

a- Win XP, Win Festa, SAS, MSTATC, HG 4.0 and Office 2007, **b-**JOINMAP 3.0, MAPQTL 4.0 and MAPMAKER, **c-** Computer programs for publication, i.g. Power point 2007, Publisher 2.0.

3- Plant Tissue Culture

a- Contribute effectively in establishment the horticulture department tissue culture lab, faculty of agriculture, Assiut university.

b- Good background on: Anther, pollen and ovule culture, shoot culture of cabbage, cucumber, onion and squash

4-Molecular Plant genetics

a- Training course on using of the PCR-Based technology, National Research Center for Agriculture Science, Cairo, from 05 to 12/02/2000.

b- Holding two years of experience in the Lab of biotechnology at the Federal Center for Breeding Research in Cultivated Plants, Germany.

c- Good experiences in different PCR-Based marker techniques, i.g., RAPDs, AFLPs and SSRs

d- Good experience to work with the hybridization-based markers, i.e. RFLPs, FISH and GISH.

Outreach Experience

1- Principle Technical Supervisor of several large scale farms for **production of protected vegetable** in the reclaimed area in Assuit

- 2- **Owning and managing** a newly reclaimed farm, in Assuit Governorate, specialized in vegetable crops production.
- 3- **Owning and managing** a newly established nursery for vegetable seedlings production.
- 4- **Member** of the MUCIA technical team for green bean production and post harvest technology.
- 5-**Trainer** in conducting Business plans for farmer associations, workshops provided and carried out by **CARE** Int. and **MUCIA** organizations.
- 6- **Trainer** in the **MUCIA** program focuses on Agricultural Technical Schools (ATs) Capacity Building.
- 7- **Local Consultant**, for **Chemonics International** teaming with senior US experts, Winrock, Int. to provide advice, technical assistance, and guidance on the kinds and types of grant related projects Farmers associations suppose to apply for in Round 2.
- 8- **Local Consultant**, for **MUCIA** and **Care** teaming with senior US experts, Rutgers Univ., Natural products PFID and Lincoln Univ., to provide advice, technical assistance, and guidance on "Strengthening Post-Harvest Handling/Infrastructure to Expand The Exports of Herbs and Medicinal Crops from Upper Egypt.
- 9- Attend and participate in the Conference entitled: "**Regional Consultation on Linking Farmers to Markets: Lessons Learned and Successful Practices**" which was conducted during the period January 28 – February 2, 2006 at the Marriott Hotel in Cairo (Zamalek).
- 10- Attended the first Faculties Development Program (FDP1) in the USA which was organized by the Midwest Universities Consortium for International Activities (MUCIA) and was conducted in **Florida and Ohio State Universities from March 20th to May 1st, 2005.**
- 11- Developed a new course for the fourth year student in the faculty of agriculture, Assiut University under the title "**Production of the economical vegetables under sandy soil condition**".
- 12- Attended several workshops on **teaching learning and curriculum development, business plan development, Strategic planning, Establishing Internship program for agricultural students, Lesson**

planning and post harvest technology of horticultural crops, which were organized by the MUCIA, AERI organizations.

Grants:

USAID funded project in title: Agricultural Strategies For Enhancing Upper Egypt Farmer Associations (Fas) Exportation Of Green Beans.
Grant value 87.000 LE

Contribution to scientific organizations

- 1- Member of the Egyptian Society of Plant Breeding since April 2004
- 2- Member of the Assiut Journal of Agricultural Science since May 2004
- 3- Member of the Egyptian society of Genetic Engineering since 2003 until now
- 4- Member of the AERI institutional linkage project which is a cooperative project between the Agriculture colleges of Egyptian Universities and the Midwest Universities Consortium for International Activities (MUCIA) and University of Illinois (USA).

Publication list:

- 1-Aboul-Naser, M.H. and **M.A. Ahmed**.2000. in vitro anther culture of cucumber (*Cucumis sativus* L.). Horti Sci 35 (3): Abst 491.
- 2-**Ahmed, M. A., M.M.A. Abdalla, M.F. Mohamed and E.A. Waly**.2001. Performance of faba bean (*Vicia faba* L.) genotypes in Orobanche infested soil. Assiut J Agric. Sci., 32: 263-290.
- 3-**Mousa, M.A.A.**, H. Budahn and H. Peterka.2001. mapping of nematode resistance gene in *Raphanus sativus*. Tagung der AG Molekulare (4) gemeinsam mit dem Scientific Coordinating Committee (SCC) von GABI, 25-26 September, 2001(POSTER).
- 4-Kandel, N.M., M.A. Fouad, H. A. Mohamed, H. Budahn, H. Peterka and **M.A.A. Mousa**.2004. An intra-specific genetic linkage map of oil radish (*Raphanus sativus* L.) using random amplified polymorphic DNA (RAPD) markers. Proc of the Agric Develop in Arabic Countries Workshop, 20-22 January, 2004, 233-252.
- 5- **Mousa, M.A.A.**, D. Yunhua, H. Budahn and H. Peterka.2004. Genome mapping in *Raphanus sativus* and QTL analysis of nematode resistance. Tagung der AG Molekulare (4) gemeinsam mit dem Scientific Coordinating Committee (SCC) von GABI, 25-26 March, 2004 (POSTER).

- 6-Peterka, H., H. Budahn, N. M. Kandeel, M.A. Fouad, H. A. Mohamed and **M.A.A. Mousa**.2004 AFLP-based genetic linkage map of oil radish (*Raphanus sativus* L.). Proc 2sd Intar Conf Enviro Develop, Assiut Univ, 23-25 March, 2004, 13-26.
- 7- Mohamed, F. M., H. Budahn, N. M. Kandeel, M. H. Aboul Nasr **M. A. A. Mousa** and H. Peterka.2004. A COMBINED AFLP AND RAPD GENETIC LINKAGE MAP OF OIL RADISH (*Raphanus Sativus* L.). Egypt J Plant Breed, 8: 127-141.
- 8- **Mousa M. A. A.**, N. M. Kandeel, M. F. Mohamed, M. H. Aboul Nasr , H. Budahn and H. Peterka.2004. MAPPING QTL(s) FOR RESISTANCE TO THE BEET CYST NEMATODE (*Heterodera schachtii* Schm.) IN RADISH (*Raphanus sativus* L.). Ass. Univ. Bull. Environ. Res., Vol. 7, No. 2, 1:17
- 9- Mohamed, F. M., **M.A.A. Mosa**, N. M. Kandeel and M. H. Aboul Nasr (2004). THE GENETIC CONTROL OF RESISTANCE TO THE BEET CYST NEMATODE (*Heterodera schachtii* Schm.). Assiut Univ J Agric Sci, vol 35: 83-93.
- 10- **Magdi A. A. M.**, M. F. Mohamed, M. H. Dokashi and E. F. E. Elnobi_2006. Growth, Competition and Yield Advantage in Okra/Cowpea Intercropping in Upper-Egypt. Proc 1st Intar Conf Food and Envior, Minia Univ, 23-25 Nov., 123-140.
- 11- Mohamed, F. M., M. H. Dokashi, **M. A. A. Mousa**, and E. F. E. Elnobi (2006) Growth and Yield of Intercropped Okra (*Abelmoschus esculentus*) and Cucumber (*Cucumis sativus*). Proc 1st Intar Conf Food and Envior, Minia Univ, 23-25 Nov., 213-235.
- 12- **Magdi, A. A. M.**, M. F. Mohamed, M. H. Dokashi and E. F. E. Elnobi_2007. Intra-Row Intercropping of Cowpea and Cucumber with Okra as Influenced by Planting Date of Secondary Crops. Ass. Univ. Bull. Environ. Res., Vol. 10, No 1, 13-33.
- 13- Mohamed, F.M., M. H. Dokashi, **M.A.A. Mousa** and E.F.E Elnobi.2007. Yield of crops in within-row intercropping okra-cowpea or okra-cucumber. Inter. J. Veg. Sci., 13(2): 33-48.
- 14- H. Budahn, H. Peterka, **M.A.A. Mousa**, Y.H. Ding, S.S. Zhang and J.B. Li.2008. Molecular mapping in oil radish (*Raphanus sativus* L.) and QTL analysis of resistance against beet cyst nematode (*Heterodera schachtii*). Theor Appl Genet (published online Dec. 2008)
- 15- **Magdi A. A. M.** and M. F. Mohamed.2009. Enhanced Yield and Quality of Onion (*Allium Cepa* L. cv Giza 6) Produced using Organic Fertilizer. Ass. Univ. Bull. Environ. Res., 12(1): 9-19
- 16- H. Budahn, H. Peterka, **M.A.A. Mousa**, Y.H. Ding, S.S. Zhang and J.B. Li.2009. Molecular mapping in oil radish (*Raphanus sativus* L.) and QTL analysis of resistance against beet cyst nematode (*Heterodera schachtii*). Theor Appl Genet., 118: 775-782.

- 17- **Magdi, A.A. Mousa**.2009. Effect of Zinc Plus Manganese Foliar Application on Potato Performance and Quality. Assiut Univ J Agric Sci, 40(1): 17-35.
- 18- **Magdi A. A. M.**, S. A. Abdelaal, G. I. Shalaby, G. H. Abdel-Raheem and N. A. Mohamed.2009. Growth and yield responses of dry and snap bean (*Phaseolus vulgaris* L.) cultivars to sowing dates in summer and fall under Assiut environments. Zagazeg J. Appl. Sci., 24(5B): 723-749.
- 19- **Magdi A.A. Mousa**.2009. Growth, yield components and yield of row intercropped okra-pepper as affected by row configuration. Zagazeg J. Appl. Sci., 24(3B): 739-760.
- 20- Yaser, A. A. D., **M. A. A. Mousa** , D. F. Warnock , and D. E. Hahn. 2009. Opportunities for Producing Table Grapes in Egypt for the Export Market: A Decision Case Study. International Food and Agribusiness Management Review,12 (2), 2009 (<http://www.ifama.org>).