

CURRICULUM VITAE



NAME : Ayman Mahmoud Helmy Abou Zied
BIRTH DATE : September 19, 1972
PLACE OF BIRTH : Zagazig , Egypt
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Dept., 44551 Egypt
POSITIONS : * Professor in Soil Science Dept, Fac. of Agric, Zagazig
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SEX : Male
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MARITAL STATUS: Married
PASPORT NO : A16132900 Exp.:2022
Qualification : *B.Sc. in Agriculture (soils and water), Faculty of
Agriculture, Zagazig Univ., Egypt (1993)
*M.Sc.(soils), Fac. of Agric., Zagazig Univ., Egypt (1999)
*Ph D. (soils), Fac. of Agric., Zagazig Univ., Egypt (2003)
EMPLOYING HISTORY:

- * Lab Instructor, Soil Sci. Dept., May 1994 till March 1999 Fac. of Agric., Zagazig Univ., Egypt.
- *Assistant Lecturer, Soil Sci. Dept., May 1999 till 2003, Fac. of Agric., Zagazig Univ.
- *Lecturer, Soil Sci. Dept., 2003 till 10 / 2008, Fac. of Agric., Zagazig Univ.
- * Assistant Professor, Soil. Dept., 10 / 2008 till 4/2015.
- * Professor at Soil Sci. Dept. Fac. of Agric, Zagazig Univ., Egypt, from 27/05/2015

- * **Marketing Manager, Rashed Est. for Trading and Agriculture, Riyadh KSA 10/2008 – 05/2009**
- * **Project Manager at Proteina Ltd. Company and executive director at Proteina Organic Fertilizer Factory, El-Riyadh, and KSA from 05/2009 till 07/2012**
- * **General Coordinator between Proteina Company, the KSA, Ministry of Agriculture and Organic Farming Department from 2008 till 2012**
- * **Director of the Agricultural Sector, Al-Danah Group, Riyadh, KSA from 08/2012 to 12/2012.**
- * **Manager of Technical and Scientific office at Agri-Field Agricultural Company from 2014 till now**

GENERAL SPECIALIZATION: Soils & Water.

MINOR SPECIALIZATION : Soil Fertility and Plant Nutrition, especially Organic Fertilizers, Organic farming and Bio-Fertility.

**LANGUAGES : Arabic, mother tongue.
English: Very Good in reading, writing, and spoken.**

COMPUTER : Office experience

EXPERIENCES:

- * Management organic fertilizer Factories
- * Technical support and management of Agricultural and commercial companies especially in the field of Organic Farming
- * Management of Greenhouses projects
- * Production and Marketing of organic fertilizers
- * Consultant at organic farming and plant nutrition for many companies and overseeing the many of agricultural projects
- * Organic Agriculture Inputs, i.e., Organic fertilizers, Bio fertilizers, Bio Pesticides, Biological control, Organic Seeds as well as Bio Waste Water treatment using Japanese Technology, EM (Effective Microorganisms) and AG Bag Environmental Composting and Silage Systems

TRAINING :

- * **International Publishing**, DAAD Cairo Academia, 2013
- * **Self Marketing**, DAAD Cairo Academia, 2013
- * **Proposal Writing Post Docs**, DAAD Cairo Academia, 2013.
- * **International Networking**, DAAD Cairo Academia, 2013
- * Training in “**Sustainable agricultural development** “ Paris, France, 1996.
- * Training course on "Treatment Technologies of Domestic Sewage", University of Alexandria, 6 - 10

April, 2008.

- * Some training on Faculty and leadership development Project (FLDP):
- * Quality Assurance and Accreditation (T12)
- * Credit Hours System (T10)
- * Code of Ethics (P4)
- * Special Topics in Teaching (T3)
- * Thinking Skills (P1)
- * Discussion making & Problem solving (L3)
- * Course design (T4)

SCIENTIFIC ACTIVITIES:

- * Coordinator Standard Faculty Members on CIQAP Project on the progress of the Faculty of Agriculture for Approval, Quality Management Unit, Fac. of Agric. Zagazig, 2013.
 - * Member of the Organizing Committee of the Third Scientific Forum "young researcher's agricultural development partners", Zagazig, 2013.
- * Member in "study of credit hours system accreditation programmer" in Egypt.
- * Member in "Plan of Action for an Integrated Coastal Zone Management in the Area of Port Said - Egypt" ICZM SMAP III Project. The project funded by the European Union.
- * Member in the reviewer committee of the Faculty of Agriculture programmers – Quality Assurance and Accreditation Unit –Faculty of Agriculture, El- Zagazig University.
- * Member in the Quality Assurance and Accreditation committee of the soil science department –Faculty of Agriculture, El- Zagazig University.
- * Member in the Organizing Committee of The 3rd International Conference on Soils of Urban, Industrial, Traffic, Mining, and Military Areas, Cairo 17 – 25 November, SUITMA, 2005.
- * Member in the Organizing Committee of INTERGAS, 3rd International Conference & Exhibition for Oil, Gas and Petrochemicals Cairo, 18 – 20 Dec. 2005.
- * Member in the Organizing Committee of INTERGAS, 4th International Conference & Exhibition for Oil & Gas, 15 – 17 May 2007 Cairo, Egypt.
- * Member in the Organizing Committee of workshop on "Plan of Action for an Integrated Coastal Zone Management in Port Said" Port Said, Egypt, 10-12 December, 2007
- * Member in the Committee of Preparation data base of the faculty of Agriculture , El-Zagazig University, Egypt, 2008.

Workshops and Conferences:

- * 1st International Conference about the Prospects of Agricultural Economics Development in Arab Region and Africa, 22 – 24 April, 2013 Ismailia, Egypt
- * **Recycling of Organic Wastes and Rice Straw**, Zagazig University, 2013
- * "Plan of Action for an Integrated Costal Zone Management in Port Said" Port Said, Egypt, 10-12 December, 2007.
- * Workshop on: "Lake Manzala: Environment Values and Probable Hazards (SMAP III)": Integrated Costal Zone Management Project of the Port Said Area, El-Zagazig Univ., 23 October, 2007
- * Workshop on: "Information Technology and Utilization": Integrated Costal Zone Management Project of the Port Said Area, Faculty of Agriculture, Univ. of El-Zagazig, 16 March, 2008
- * Workshop on: "Climate Change impacts and mitigation measures ": Integrated Costal Zone Management Project of the Port Said Area, Faculty of Agriculture, Univ. of El-Zagazig, 11 May, 2008
- * Eighth National Conference on Soils and Water Studies in Sustainable Agricultural Systems. Egyptian International Center for Agriculture, Dokki, Cairo, Egypt, 25 – 26 November, 2007.
- * The First international Conference of the Quality Accurance and Accreditation. Cairo University, 15 April 2008.
- * Member in the Libraries Committee of the Faculty of Agriculture, El- Zagazig University, 2006/2007
- * Exhibitor in the 27th International Agriculture, Water & Agri-Industry show, K.S.A, 23 – 26 November, 2008
- * Exhibitor in the 28th International Agriculture, Water & Agri-Industry show, K.S.A, 01 – 04 November, 2009
- * Exhibitor in the 29th International Agriculture, Water and Agri-Industry show, K.S.A, 18 – 21 November, 2010, 2011, 2012
- * Exhibitor in the International Agriculture Exhibition (AGRAME) show, Dubai, 29 – 31 March, 2010, 2011 and 2012
- * Visitor to the International Agriculture Exhibition (Landscaping) show, Abu Dhabi, 29 – 31 March, 2010, 2011 and 2012
- * Visitor to the International Agriculture Exhibition (Biofach) show, NURENBERG, GERMANY, February 2012
- * Supervising of 8 M. Sc. Students Thesis.

TEACHING AND RESEARCH WORK:

*Soil science including: Fundamentals of soil science, physics and Metrology, status of macro and micronutrients in soil and plants, plant nutrition, soil fertility, fertilizers, soil and water management, soil reclamation, consumptive use of water and water requirements of crops, soil colloids, soil chemistry, teaching and conducting research work.

LIST OF PUBLICATION

- * **Helmy A. M., 1999.** MSc. Thesis “Effect of Some Organic Manures on the Availability of Some Macro and Micro Nutrients”.
- * **Helmy A. M., 2003.** Ph D. Thesis “The Interaction effect of Some Organic wastes and Phosphorus fertilization on growth and nutrient content of wheat plant”, 2003.
- * Awad, E. A. M.; Mostafa M. M. and **Helmy A. M., 2000.** Macro and micronutrient content of maize plant as affected by the application of some organic wastes and sulfur. *Zagazig J. Agric., Res.* Vol. 27 No. (4) 1015 – 1029
- * El-Sherbieny, A.E.A.; Awad E.A. M.; El-Sawy M.M.M. and **Helmy A. M., 2003.**Wheat response to some agro – industrial wastes and conventional N-fertilizers. *Zagazig J. Agric. Res.* Vol. 30 No. (2) 385 – 406
- * El-Sherbiney, A. E.; Mostafa M.M. and **Helmy A. M., 2000.** Uptake of some macro and micronutrients by wheat plant as affected by some organic wastes and sulphur application. National Congress: Soil and Sustainable Agricultural in the New Century – Organized by Egyptian Soil Science Society (ESSS). Cairo, 23 – 25 October, Egypt.
- * **Helmy, A. M., 2005.** Nitrogen mineralization of some agro – industrial wastes and conventional fertilizers in a sandy soil. SUITMA (Thirdrd international conference on soils of urban, industrial, traffic, mining, and military areas). Cairo, Egypt (17 – 25 November).
- * Shaban, Kh. A. and **Helmy A. M., 2006.** Response of wheat to mineral and bio -N fertilization under saline conditions. *Zagazig J. Agric. Res.* Vol. 33 No. (6) 1189 – 1205
- * **Helmy, A. M.** and Shaban, Kh. A., **2007.** Response of peanuts to K fertilization and foliar spraying with Zn and boron under sandy soil conditions. *Zagazig J. Agric. Res.* Vol. 34 No. (4) 737 – 752
- * **Helmy, A. M. 2008.** Evaluating the performance of P-dissolving bacteria and N₂-fixing microorganisms as biofertilizers on wheat grown on a sand soil under P and Zn addition. *Egypt. J. Appl. Sci.*, 23 (6A): 290 - 308
- * **Helmy, A. M.** and Ramadan M. F., **2009.** Agronomic performance and chemical response of sunflower (*Helianthus annuus* L.) to some organic nitrogen sources and conventional nitrogen fertilizers under sandy soil

conditions. International J of Fats and Oils, Grasas Y Acetites, 60 (1) Entero-Marzo: 55 – 67

- * Shaban, Kh. A.; **Helmy A. M.**, and Abd El-Rhman A. H., **2008**. Growth, yield and seed quality of Soybean (*Glycine max L.*) as affected by different N-sources and biofertilizer application. Zagazig J. Agric. Res. Vol. 35 No. (2): 343 – 362
- * Ash-Shormillesy, Salwa M.A.I.; **Helmy A. M.** and Omar A. E. A.. **2008**. Effect of sowing methods and nitrogen fertilizer levels on the productivity and nutrients uptake of two new Hullless barley cultivars. Egypt. J. Appl. Sci., 23 (6A): 309 – 331
- * Asmaa A.Sh. Khalil*, Shiha, A.A., Dahdouh, S.M.M. and **Helmy A.M.** **2011**. Response of wheat to biofertilizer inoculation under different sources and levels of nitrogen. Zagazig J. Agric. Res., Vol.38 (5): 1207 – 1224.
- * **Helmy A.M.** **2013**. Impact of Phosphorus Fertilization and Foliar Application of Trace Elements on Growth and Yield of Two Wheat Cultivars. Acta Agronomica Hungarica J. 61 (2): 139 – 148.
- * Shaban, Kh. A., **Helmy, A.M.** and El-Galad, M. A. **2013**. Role of Gypsum and Sulphur Application in Amelioration of Saline Soil and Enhancing Rice Productivity. Acta Agronomica Hungarica J. 61(4): 303 – 316..
- * **Helmy A.M.** and Shaban Kh. A. **2013**. Wheat Productivity and Nutrients Uptake as Effect by Inhibitory Soil Salinity Adverse by Some Sulphur Sources. **Egypt. J soil Sci., Vol. (53)**.
- * **Helmy A.M.** and Ramadan M. F. **2013**. Yield Quality Parameters and Chemical Composition of Peanut as Affected by Potassium and Gypsum Applications under Foliar Spraying with Boron. Communications in Soil Science and Plant Analysis, 45(18): 2397-2412.
- * **Helmy, A. M.**, Shaban, KH. A. and Mona, G. Abd EL-Kader **2013**. Enhancing the efficiency of rock phosphate in saline soil as an environmental friendly alternative for P-manufactured fertilizers and its effect on maize quality and productivity. **J. Soil Sci. Agric. Eng., Mansoura Univ., 4 (10): 1053 – 1071**.
- ***Helmy, A.M.**, Shaban, Kh. A. and Mona, G. Abdel Kader. **2013**. *Rhizobium* biofertilization with or without mineral-N fertilization for a new cowpea cultivar (Kafer El-Sheikh 1) grown under saline conditions. **Zagazig J. Agric. Res., 40 (5): 891 – 906**.
- * **Helmy A.M.**, and Ramadan M. F. **2013**. Effect of potassium fertilization and gypsum application in combination with magnesium on yield quality and chemical composition of peanut. **Zagazig J. Agric. Res., 40 (5): 877 – 889**.

- * **Helmy A.M.,** Abdel Fattah, M. K. and Shaban Kh. A. **2013.** Nitrogen efficiency in barley under saline-sodic conditions as affected by urea, compost and biofertilizer (*Rhizobium radiobacter* sp.). **J. Soil Sci. Agric. Eng., Mansoura Univ., 4 (11): 1169–1189.**

- * **Helmy, A. M. 2014.** Response of seed irradiation with gamma ray, N-fertilization and bio fertilization of barley (*Hordeum vulgare* L.) grown on a sand soil. **J. Soil Sci. Agric. Eng., Mansoura Univ., 5 (1): 1 – 18.**

- * **Helmy A. M.** and Abou Hashim, M. S. **2016.** Production of high quality compost after domestic sewage treatment for reducing sludge and odor by EM-technology. International symposium on emerging pollution in irrigation waters: Origins, Fate, Risks and Mitigation, November 25-28, Tunisia, 2013.

- * **Helmy, A. M. 2014.** Seed and oil productivity upon foliar spray of soybean (*Glycine max* L.) with humic and ascorbic acids with or without seed irradiation. **Egypt. J. Soil Sci., Vol. 54(3).**

- * **Helmy, A. M. 2015.** Mutual effect among some organic substances and micronutrients on maize (*Zea mays* L.) grown on sandy soil. **Egypt. J. Soil Sci., Vol. 55(1).**

- * Abdel Fattah, M.K and **Helmy, A.M., 2015.** Assessment of water quality of wastewaters of Bahr El-Baqar, Bilbies and El-Qalyubia drains in East Delta, Egypt for irrigation purposes. **Egypt. J. Soil Sci., Vol. 55(2).**

- * Mona M. Mohamed, **Helmy, A. M.,** Shiha, A.A., and Khalil, M.N.I., **2014.** Response of black cumin (*Nigella sativa* L.) to fertilization with chicken manure, mineral N fertilizer and varying K doses under different soil moisture contents. **Zagazig J. Agric. Res., 41 (5): 1003 – 1019.**