

PI Curriculum Vitae -CV

Name:

Shaker

Family Name

Abolmaaty

Date of Birth:

August 6, 1972

Place of Birth:

EL-Gamilia- Dakahlia,



Qualifications:

May 1994 **Bachelor (B.Sc.) of Agriculture Sciences**, Department of Plant Pathology, Faculty of Agriculture, Al-Azhar University, Egypt.

October 3, 2001.... **Master of Science (M.Sc.)**, Agriculture Sciences, Department of Plant Pathology, Faculty of Agriculture, Ain Shams University, Egypt.

November 15, 2006... **Doctorate of Philosophy (Ph.D.)** (Environment and Agriculture Sciences), Department of Environment and Biological Agriculture, Faculty of Agriculture, Al-Azhar University, Egypt.

Employment

- ❖ Researcher; (from November 2006 till 2012)
- ❖ Senior Researcher; (from 2012 till now with the following responsibilities:)
- ❖ Computer models of Agrometeorological data collection, Processing, Quality Control and Validation.
- ❖ Computer models using Degree-Day Unit to predict of crop yield and insects development.
- ❖ Experience in DSSAT Program.
- ❖ GIS agric. applications for decision support system.
- ❖ Determination of threshold levels of pests and diseases; Scouting and monitoring;
- ❖ Planning and implementing crop protection activities;
- ❖ Climate change

➤ **. Associate Researcher; (from December 2002 till April 2006)**

- ❖ How to take advantage of the remnants of cultivation on rice straw bales) article (in the agricultural journal 2009.
- ❖ Lectured widely in the research stations and the Central Laboratory for Agricultural Climate on how to take advantage of the remnants of rice straw bales in agriculture.
- ❖ Waste recycling technology using earthworms
- ❖ Climate change

Training programs:

- ❖ Automatic Weather Stations Installation, Operating and Maintenance Training Course", Central Lab. For Agricultural Climate (CLAC), Giza, Egypt, from November 22 to December 3, 1998.
- ❖ Climate Changes and Agricultural Impacts Workshop, March 25 - 28, 2000, Cairo, Egypt
- ❖ Statistical program software 'MINTAB 12.2". From April 5-15, 2001, the Regional Training Centre (RTC), Egyptian Meteorology Authority (EMA), Egypt

- ❖ The Sixty two intensive training course on Protected Cultivation". From November 3-23, 2000. 'UNDP-FAO' with coop. The Central Lab. For Agric. Climate, Egypt.
- ❖ The First Training Course in Management of Micro-Irrigation Systems", cooperative between University of Florida (Dorota Z. Haman, Associate Professor) and ATUT, Bosaily, Behera Governorate, Egypt, from February 1 to 11, 1999.
- ❖ Trained and trainer with Crop Life Egypt 2008 till 2011
- ❖ Food Safety Systems for Agrifoods, Union of Producers & Exporters of Horticultural and Agric Egypt, 17 January, 2004. Ministry of Agriculture Building, Dokki, Egypt.
- ❖ COMESA TRAINING OF TRAINERS: Food Security and Food Security, Dokki, Egypt, 2006.
- ❖ Climate Changes and Agricultural Workshop, May 2008, Cairo, Egypt.
- ❖ International training workshop on protected Agriculture, Nov. 17-30, 2008, Yangling, Shaanxi, China.
- ❖ Training course of Integrated Pest Management and Responsible of Pesticides (Crop life Egypt), from 10-13 August 2008, Cairo, Egypt.
- ❖ Training course of Integrated Pest Management and Responsible of Pesticides (Crop life Egypt), from 14-18 March 2010, Cairo, Egypt.
- ❖ Training Course on Identification of "AGRO-ECOSYSTEMS" From 23-27 MAY 2010, ICARADA, ALPPO SYRIA.
- ❖ Training Course on Irrigation and Extension short course from 3-28 October 2010, University of California, Davis, USA.
- ❖ International Training Workshop on Breeding Technology of Horticultural Crops from 5-27-9-2011, Instate of vegetables and flowers, Chimes Academy of Agricultural Sciences, China.
- ❖ Training Course on project cycle management and modern irrigation techniques, Valenzano (Bari)1-31 October 2011 Italy.

Computer Skills:

- Windows XP. MS-Office, XP, 2003 and 2007 - Visual Basic 5.0 - STATISTICS, MINITAB v15.2.
- ICDI, January 2010. International Computer Driving License, Information Systems Institute, ISI, Cairo, Egypt.

Local and International conferences & workshops:

Participating in the following conferences and workshops:

- ❖ 4th the Conference Meteorology Specialist Association Meteorology & Sustainable Development to 21 Century March 7-9, 1999 Cairo, Egypt.
- ❖ Sixth International Conference on the Development of Dry Lands & Desert Development: Challenges Beyond the Year 2000, August 22-27, 1999, Cairo, Egypt.
- ❖ Climate Changes and Agricultural Impacts Workshop, March 25 - 28, 2000, Cairo, Egypt..
- ❖ The First International Conference on Environmental Studies and Research, April 2008, Minufiya University.
- ❖ Conference on the climate change over Egypt- Nov. 2009 –Cairo, Egypt
- ❖ Workshop on the impact of climate on Agriculture, Feb. 2010- Cairo-Egypt
- ❖ International Symposium on Pear of University of Bologna Agri-Faculty Centenary "Ferrara- Bologna, Italy September 4-9,2000
- ❖ ISHS International Symposium on Protected Culture in a Mild-winter Climate March, USA, Florida 23-27, 2004.
- ❖ International training workshop on protected Agriculture, Nov. 17-30, 2008, Yangling, Shaanxi, China.
- ❖ Training Course on Identification of "AGRO-ECOSYSTEMS" From 23-27 MAY 2010, ICARADA, and ALPPO SYRIA.
- ❖ Training Course on Irrigation and Extension short course from 3-28 October 2010, Universtiy of California, Davis, USA.
- ❖ International Training Workshop on Breeding Technology of Horticultural Crops from 5-27-9-2011, Instate of vegetables and flowers, Chines Academy of Agricultural Ssciences, China.
- ❖ Training Course on project cycle management and modern irrigation techniques, Valenzano (Bari)1-31 October 2011 Italy.
 - ❖ International conference of Pakistan Psychopathological Society: Climate change and Plant diseases, Challenges and opportunities, Januray 23-25, 2014.
 - ❖ Scientific mission includes holding bilateral meetings for the exchange of scientific work and field visits to adapt to climate change in Burundi , June 8-11,2014.

Publications:

S.M. Abolmaaty; N.Y. Abd El-Ghafar; M.A., M.A. Medany, I.S. Elewa and F. Abou Hadid (2000). The use of climate data for integrated management of pears: forecast for fire blight. ISHS – 8th International Pear Symposium – September 4-9, (2000).

N.Y. Abd El-Ghafar, **S.M. Abolmaaty**; M.A., M.A. Medany, I.S. Elewa and F. Abou Hadid. Epidemiology of pear fire blight in Egypt. Egypt. J. Hort. 28, No.2, pp. (217-239). (2001).

S.M. Abolmaaty, N.Y. Abd El-Ghafar, M.A., M.A. Medany, I.S. Elewa and F. Abou Hadid. Application of MARYBLIT Computer Model for Forecasting of Pear Fire Blight In Egypt. The sixth conference meteorology & Sustainable development –2-4 April. (2001)

S.M. Abolmaaty, M.A. Medany and F. Abou Hadid. Utilization of Agroclimatic data for daily agriculture management for major crops (Ag Agenda) ISHS international symposium on protected culture in a mild- winter climate- 23-27 March, Florida. (2004)

S.M. Abolmaaty; M.A., M.A. Medany and N.N. Elhfiawey (2007): Influence of the Impact of Climate Change on Some Rust Diseases of Wheat in Egypt, International Symposium climate change March 20-27, 2007) Egypt.

S.M. Abolmaaty., M.A. Medany, H. Shalaby and A.F.E. Afsah (2008). Growing new local cucumber hybrids in greenhouse without pesticides application the first international conference on environmental studies and research "Natural Resources & sustainable development" 7-9 April, (2008).

Abul-Soud, M., M.K. Hassnein, **S.M. Abolmaaty**, M. Medany and A.F. Abou-Hadid. Vermiculture and vermicomposting technology use in sustainable agriculture in Egypt. Egypt. J. Agric. Res. 87 (1), 389-403. (2009)

S.M. Abolmaaty., M.A. Medany and N.Y. Abd-Ghafar. Relation between alternative cover and powdery mildew disease of cucumber in Egyptian conditions. J. Biol. Chem. Environ. Sci. 4(4), 373-382. (2009).

S.M. Abolmaaty., **M.A. Medany** and **N.Y. Abd-Ghafar**. Relation between alternative cover and powdery mildew disease of cucumber in Egyptian conditions. J. Biol. Chem. Environ. Sci. 4(4), 373-382. (2009).

F. Abou Hadid, Medany, M. A, Abdrabbo, M, Hassanein, M. K, Farag A.A., **S.M. Abolmaaty**., Khalil, A.A., Refaie k.M., Saleh S.M., Hashem, F.A., Ismael A.A., Saied M., Kadah A., Kadah T.,

Kadah M., El Morsi A. T., Baertin M., Jaffrain G., Elgueroua A., 2010. " Preliminary studies using Gis And Field Survey To Determine Land Cover In Egypt" Arab Univ., J. Agric.Sci., Ain Shams Univ., Cairo, 18(1), 229-236.

Khalil A.A.; **S.M.Abolmaaty**; M.K. Hassanein; M. M. El-mtewally and S. A. Moustafa. Degree days units and generation number of peach fruit fly *Bactrocera zonata* (Saunders) (Diptera: Tephritidae) under climate change in Egypt , Egypt.Acad.J.biolog.Sci.,3(1):11-19. (2010).

S.M.Abolmaaty and N. Y. Abd El-Ghafar. The Relationship between the incidence of Bacterial Spot Disease of pepper and some Environmental Factors ,J. of plant protection and pathology, vol.(1);147-164. (2010)

S.M. Abolmaaty; M.K. Hassanein; A.A. Khalil and A.F Abou-Hadid Impact of Climatic Changes in Egypt on Degree Day's Units and Generation Number for Tomato Leaf miner Moth *Tuta absoluta*, (Meyrick) (Lepidoptera gelechiidae), Nature and Science, Vol.(11);122-129. (2010).

S.M. Abolmaaty; Khalil. A.A and Amna M. H. Maklad Using degree- day unit accumulation to predict potato tubeworm incidence under climate change conditions in Egypt., Nature and Science, Vol.(9);156-160. (2011).

Ali, Lalia K.M; Samira E.Mahrous; A.E.Sherif and **S.M. Abolmaaty** Effect of tillage system and nitrogen fertilizers on nutrient content in soil and plant and the reflection on N₂O and CO₂ emission., Egypt.J.of Appl.Sci.,26(8);328-362. (2011)

Amna M. H. Maklad; **S.M. Abolmaaty**; M.K. Hassanein and N. Y. Al El-Ghafar Impact of type of greenhouse cover sheets on certain major cucumber pests under protected cultivation. New York Science Journal; 2012; 5(7); 19-24. (2012).

El-bassiouny A. R; **S. M. Abol-maaty**; R. M. Abdel-moaty and S. M. Hashim . Detection the impact of variations in temperature and relative humidity of soil on geographical distribution of subterranean termites at some Egyptian governorates. Egypt.J.Agric.Res. ;(3);901019-1029.(2012)

Sayed .A.M.M. and **S.M.Abolmaaty**. Geographical information

system used for assessing biodiversity of Entomopathogens in Egypt. Egyptian. Journal of biological pest control. 23(1), 159-168. (2013).

M. K. Hassanein; **Abolmaaty S.M**; A.A. Khalil; M. O. Taqi; Yassmin H. Essam, and H.H. Shawki (2013) Geographical distribution and developmental Pattern of buffalo in Egypt. World Rural Observations; 5(4), 14-19. (2013).

S.M.Abolmaaty Impact of climate change on number generation for pink cotton bollworm under Egyptian conditions. (2014) in press.

Fahim M. A.; Hassanein M. K.; **Abolmaty S. M.** and Fargalla F. H. (2013) Challenges to Crop Pests and Livestock Diseases Management in Irrigated African Agroecosystems under a Changing Climate. Researcher; 5(12), 130-138 (2013).

Hassanein M. K. 1; Fahim M. A.; Khalil A. A.; **Abolmaty S. M.**; Refaie K. M.; Taqi, M.O. and Abou Hadid A. F. Impact of urbanization on agricultural land losses and climate change Case study: Gharbiah Governorate, Egypt. Journal of American Science; 10(1) (2014).

Naglaa, F. Ahmed; Amna. M. H. Maklad; Samia, A. Yassin and **Abolmaty S. M.**; Biochemical effects of *Steinernema feltiae*, *Steinernema riobrave* and *Heterorhabditis bacteriophora* on *Spodoptera littoralis* larvae .Egypt. Acad. J. Biolog. Sci., 6(1): 23 – 34 (2014).

Hassan.H.A; **S.M. Abolmaaty**; N. Y. Abd El-Ghafar **and Gomaa.A.A.**; Accumulated degree days unit (DDU) and number of generations for some insect pests in infesting faba bean crop under climate change conditions in Egypt. J. Biol Chem Environ Sci, (1), March (2015).

Sherif, A. E.A., Manal, A.H. El-Gamal, Laila, K. M Ali and **Abolmaaty, S.M.** interactions of Cyanobacterial Bioactivities and different nitrogenous fertilizers applications on N₂O and CO₂ emissions and barley productivity. Middle East Journal of Applied Sciences (05) | 119-133| (2015).

- **Abolmaaty S. M.**, El-Meneisy, Afaf, Z.A and Abd El-Ghafar, N.Y. **2015.** Evaluation of some commercial Bio-Products on damping-off and the yield of bean crop. Egypt. J. pattopathol., vol.43, No.1-2, pp.129-142.

Al-kazafy H. Sabry, Tarek A. Abd-El Rahman, **Abolmaaty, S.M.** Influence

of some new insecticides on sweetpotato whitefly, *Bemisia tabaci* and American serpentine leafminer, *Liriomyza trifolii* and their residues in cucumber fruits. International Journal of Advanced Research Volume 3, Issue 10 , 1874 – 1881(2015).

- 1- **Abolmaty S. M** ;Amna. M. H. Maklad;Naglaa, F. Reyad. 2015.Heat Unit Accumulation for The Two-Spotted Spider Mite, *Tetranychus urticae* (Acari: Tetranychidae) On Potato and tomato crops under climatic changes. Egypt. Acad. J. Biolog. Sci., 8(2): 103 – 109.

Al-kazafy H. Sabry, Hala M. Metwally and **S. M. Abolmaaty**.2016. Compatibility and efficacy of entomopathogenic nematode, *Steinernema carpocapsae* all alone and in combination with some insecticides against *Tutaabsoluta*. Der Pharmacia Lettre, 8 (13):311-315.

Al-kazafy. H. S., **S. M. Abolmaaty**, T. A. Abd-El Rahman and A. Abd-El Rahman.2016. Residue determination of some rational insecticides in tomato fruits and their efficacy on sweet potato whitefly, *Bemisia tabaci*. INT J CURR SCI, 19(1): E 37-46.

Abolmaaty S. M., M. A. A. Abdrabbo, A. A. Farag .2016. Safe method to control powdery mildew disease of pepper and cucumber.J.plant prot. And path., Mansoura Univ., vol.7 (9):617-622.

H.A. Hassan; **S.M.Abolmaaty**; Afaf Z.A.Elmenisy and N.Y. Abd El-Ghafar.2016. Prediction of Faba Bean Foliar Diseases and their Relationship with Climate Change, under Environmental Egyptian Conditions. Egypt.J.Phytopathol., vol.44-2...

Khalil A.A., Y.H. Essa. Hassan H.A. and Abolmaaty S.M.2016. Plant diseases for major crops in Egypt under future climate conditions. International Journal of Current. Vol. 6, Issue, 12, pp. 149-154.

Mona. I. Ammar, and S.M. **Abolmaaty**.2016. Effect of different colors mulch on population density of some pests infesting cucumber plants and on cucumber yield. Egypt. Acad. J. Biolog. Sci., 43(1-2): 129-142.

Refaie K.M., H.M. El Sharkawi¹, A. A. Khalil¹, T. F. Metwally, **S. M. Abolmaty**, B.A.A. Ali and M. K. Hassanein.2017. Smart Control of Water Flow and Depth Within Rice Field for Improving Irrigation Management and Mitigating Methane Emission. Int. J. Adv. Res. 5(1), 2904-2910.

Languages:

- Mother Tongue: *Arabic*
- Second Language: *English* (Test of English as a Foreign Language (TOEFL) with score 510 from AMIDEAST/-EGYPT.

Patent:

- Patent on a program to predict dates of cotton cultivation under Egyptian conditions
- Patent on a program of the agricultural agenda

Supervision of the Theses

The impact of climate change on some of the pests and diseases that affect the faba bean plant under Egyptian conditions (Master)
Impact of climate change on the productivity of the tomato crop under Egyptian conditions (Doctorate)
The effect of thermal stress on the loam buffalo embryos outside the womb (Doctorate)
Impact of climate change on the productivity of potato crop health under Egyptian conditions (Master)
Assess the impact of climate change on the productivity of the tomato crop under Egyptian conditions (Master)

Current Work address:

Central Laboratory for Agricultural Climate
6, Dr. Michiel Bakoum St., P.O.Box 296 Imbaba, 12411 Giza, Egypt.

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