

Curriculum Vitae (C.V.)

Dr. Sahar Abdou Mahmoud Zayan

Personal details:

Surname	SAHAR		
Other names	ABDOU MAHMOUD		
Title	ZAYAN		
Gender	Female		
Address	Work Address: Unit of Forecasting and Early Warning, Institute of Plant Diseases, Agriculture Research Center El-Gamaa St., Giza, 12613 Giza, Egypt. Home add.: 1 Dr. Hanem St, Pyramids Gardens (Hadayiek El-Ahram), Giza, EGYPT.		
Telephone number	Work Tel.: +2 02 3573 0135		
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Date of Birth	11	July	1969
Post code			
Email	Sahar_zayan@yahoo.com Sahar.abdo@gmail.com		
Place of Birth	Giza, EGYPT.		

Education:

School/College/University/Other	Degree obtained	Dates (from-to)
Post-Graduate	Doctorate of Philosophy (Ph.D.) of Agriculture Sciences, Department of Plant Pathology, Faculty of Agriculture, Cairo University, Egypt.	From(1996-2002)
Post-Graduate	Master of Science (M.Sci.) , Agriculture Sciences, Department of Plant Pathology, Faculty of Agriculture, Cairo University, Egypt.	From(1991-1995)
Graduation	Bachelor (B.Sc.) of Agriculture Sciences with total grad Very Good , Department of Plant Pathology, Faculty of Agriculture, Cairo University, Egypt.	From 1986-1990
High School	Science Division	From 1982-1986

3. TRAINING:

Training attended / Technical skills acquired	Place	Date(from-to)
The Workshop of the Field Applications of Forecasting and Early Warning Systems for Epidemic Plant Diseases	Unit of Forecasting and Early Warning, Institute of Plant Diseases, Agriculture Research Centre, Giza, Egypt.	(2003-2004).
Training Workshop of Plant Pathology Institute (Topic: The Use of New Technology for Forecasting and Early Warning Systems for Epidemic Plant Diseases)	Unit of Forecasting and Early Warning, Institute of Plant Diseases, Agriculture Research Centre, Giza, Egypt.	2005
Training Programme for the Centre of Development),	Unit of Forecasting and Early Warning, Institute of Plant Diseases, Agriculture	2006

	Research Centre, Giza, Egypt.	
The Workshop of the Field Applications of Forecasting and Early Warning Systems for Epidemic Plant Diseases,	Unit of Forecasting and Early Warning, Institute of Plant Diseases, Agriculture Research Centre, Giza, Egypt.	2002-2008
The Training Workshop of Management of Farms and Organic Companies.	Central Laboratory of Organic Agriculture, Giza, Egypt.	2009.

4. EMPLOYMENT HISTORY:

Employer	Position	Dates(from-to)
Agriculture Research Center, Institute of Plant Diseases, Unit of Forecasting and Early Warning.	Researcher	From(August 31, 2002 to date)
Agriculture Research Center, Institute of Plant Diseases, Unit of Forecasting and Early Warning.	Assistant Researcher	From(9, 1996 –August 30, 2002)
Agriculture Research Center, Institute of Plant Diseases, Unit of Forecasting and Early Warning.	Researcher Assistant	From (November 4, 1991 to June 8, 1996)

5. MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS:

1. Egyptian Society of Plant Pathology.
2. South African Society of Plant Pathology (SASPP).
3. Association of Applied Biologists (AAB).
4. The Korean Society of Plant Pathology (KSPP).

6. FIELDS OF INTEREST:

- 1) Plant Pathology (Crops, Vegetables and Fruits).
- 2) Forecasting and Early Warning for the Epidemic Plant Diseases.

7. PUBLICATIONS AND PATENTS:

- 1) **Maisa, L. Abd El-Moneim; Tolba, A.F. and Sahar, A.M. Zayan (2006).** Controlling bean soil- borne pathogens by compost extracts and antagonistic organisms. **Minufia J. Agric. Research. 31 (4): 759- 773.**
- 2) **Afifi, M.A. and Sahar, A.M. Zayan (2008).** Evaluation of an early Warning system for grapes downy mildew in Egypt.
In Proceeding of Conference of The effect of climatic changes on Plants: Implications for Agriculture. Association of Applied Biologists, 88: 69-74.
- 3) **Afifi, M.A. and Sahar, A.M. Zayan (2008).** Validation of sweet Pepper powdery mildew forecasting model in Egypt.
In Proceeding of Conference of The effect of climatic changes on Plants: Implications for Agriculture. Association of Applied Biologists, 88: 75-81.
- 4) **El-Shimmy, A.O. and Sahar, A.M. Zayan (2008).** Efficacy of Systemic resistance inducers on tomato fusarium wilt.
Minufia J. Agric. Research. 33 (6) : 1321-1330.
- 5) **Afifi, M.A. and Sahar, A.M. Zayan and El-Shimmy, A.O. (2008).** Control Efficacy of Milk Concentration and Bicarbonate Solution Against Powdery Mildew (*Leveillula taurica*) of Sweet Pepper.
J. of Appl. Sci., 23 (12A): 39-45.
- 6) **Afifi, M.A. and Sahar, A.M. Zayan (2009).** Development of Forecasting system for onion downy mildew in Egypt.
J. of Product & Dev., 14 (1): 37-50.
- 7) **Afifi, M.A. and Sahar, A.M. Zayan and Khatab, M.A. (2009).** Evaluation and Validation of TEB-cast forecast system to manage Tomato Early Blight in Egypt. **J. of Product & Dev., 14 (1): 51-62.**
- 8) **Afifi, M.A. and Sahar, A.M. Zayan (2009).**controlling cucumber downy mildew using some Egyptian medicinal plant extracts under field condition. In proceeding of the 9th international conference of plant diseases, tours, Frانس, 8-9 December, 2009.pp:516-525. Organized by the association Française of plant protection.
- 9) **Afifi, M.A. and Sahar, A.M. Zayan (2009).**GPM-CAST : An early warning computerized model for grapes powdery mildew in Egypt. In proceeding of the 9th international conference of plant diseases, tours, Frانس, 8-9 December, 2009.pp:516-525. Organized by the association Française of plant protection.
- 10) **Sahar, A.M. Zayan and Tomader, G.ABDEL RAHAN.(2010).** Induced resistance in sweet paper plants against powdery mildew disease using chemical inducers and microelements under greenhouse and field conditions. **J. Of Biol. Chem. Environ. Sci., 5(1): 505-516.**
- 11) **Afifi, M.A. and Sahar, A.M. Zayan (2009).**Antifungal Effect of Neem and Some Medicinal Plants extracts Against (*Alternaria solani*) The causes of Tomato Early Blight. **ASSOCIATION OF**

APPLIED BIOLOGISTS Agriculture: Africa's "engine for growth"-plant science & biotechnology hold the key at Roth Amsted Research, Harpenden, UK on 12-14 October 2009.

12) Abd El-Rahman, Tomader G., Sahar A.M. Zayan and E.M.EL.Far (2010). Effect of bio fertilizers on snap root-rot diseases. **J.of Biol. Chem. Environ. Sci., 5(1): 461-472.**

13) Hassna, Maggie E.M., saieda S.Abd El-Rahman, Nafisa M. Gomaa and Sahar A.M. Zayan.(2010). Using conventional and Real- Time PCR to detect and quantify *FUSARIUM OXYSPORUM* F. SP. *VASINFECTIONUM* in cotton plants. Egypt. **J. OF of Appl. Sci., 5(1): 461-472**

14) Affi, M.A. and Sahar, A.M. Zayan (2009). Implementation of EGY-BLIGHT CAST the first computer simulation model for potato late blight in Egypt. **ASSOCIATION OF APPLIED BIOLOGISTS Agriculture: Africa's "engine for growth"-plant science & biotechnology hold the key at Roth Amsted Research, Harpenden, UK on 12-14 October 2009.**

15) Radi El Said Abdel Fattah, Sahar Zayan, Medhat Saad Abd Rabo, Helmy Mohamed Noor(2013). Response of Tomato plants for some chemical inducers to control root rot diseases. **J.Biol. Chem.Environ Sci., (8)4.**

8. PRESENTATIONS:

I gave a presentation on:

1. Control Efficacy of Milk Concentration and Bicarbonate Solution against Powdery Mildew (*Leveillula taurica*) of Sweet Pepper, in The International Workshop of Plant Interaction with Environment, University of Neuchatel, Switzerland on 2008.
2. Implementation of EGY-BLIGHT CAST the first computer simulation model for potato late blight in Egypt, at the conference of ASSOCIATION OF APPLIED BIOLOGISTS Agriculture: Africa's "engine for growth"-plant science & biotechnology hold the key at Roth Amsted Research, Harpenden, UK on 12-14 October 2009.

9. ADDITIONAL INFORMATION:

-Participating in the following conferences and workshops:

- 1) The International Workshop of Plant Interaction with Environment, 3-5 September 2008, University of Neuchatel, Switzerland.
- 2) The International Conference of the Effect of Climatic Changes on Plants: Implications for Agriculture. Association of Applied Biologists, Roth Amsted Research, Harpenden, Herts, United Kingdom (U.K.).
- 3) The International Congress of Plant Pathology, (South African Society of Plant Pathology, SASPP), 25-28 January 2009, Cape Town, South Africa.
- 4) The Scientific Conference of the Egyptian Society of Plant Pathology, 27-28 November 2007.
- 5) The International Conference and Exhibition of Organic Agriculture, 2004.

- 6) Symposium of Plant Diseases Pathogens resistance (treatments) in Organic Agriculture Systems, 24 December, 2008.
- 7) The Scientific Seminar of Grape Production, 2006.
- 8) The Egyptian Symposium of Egyptian Society of Plant Pathology on Onion Diseases, 2003.
- 9) International Training workshop on planning, building and management of science parks and business incubator for African countries at Torch High Technology industry Development Centre, Ministry of science and technology , P. R. China, 2012.
- 10) “Creativity and Innovation Techniques” with the DAAD Kairo Academie, 2012.
- 11) “Proposal Writing GERLS” with the DAAD Kairo Academie, 2012.
- 12) The Training Workshop of Management of Farms and Organic Companies, 2009.

- دورة تدريبية عن دور المناخ فى الزراعة مع المعمل المركزى للمناخ, 2010.
- تأثير المناخ على المكافحة المتكاملة للمحاصيل فى المعمل المركزى للمناخ, 2011.
- أسس التنبؤ فى أمراض النبات فى كلية زراعة الأزهر, 2011.
- أسس التنبؤ فى أمراض النبات فى كلية زراعة الأزهر, 2012.
- دورة تدريبية لمدة يومان على أثير تغيرات المناخ على أمراض النبات لطلبة بكلية آداب قسم جغرافيا فى وحدة التنبؤ و الإنذار المبكر, 2013.

-Computer Skills:

- Using the Computer and Managing files, dealing with OS, windows 98, 2000, 2002, XP, Windows 7.
- Basic Computer Concepts: Parts of a computer, computer terms, computer use in everyday life.
- Word Processing: Opening a document, basic operations, formatting, editing, printing (Microsoft Word).
- Spreadsheets: Opening a spreadsheet, inputting data, working with formulas and functions, graphs and charts, printing. (Microsoft Excel)
- Presentations: Creating a presentation, formatting text/images, inserting graphics, printing (Microsoft PowerPoint)
- Information and Communication: Using the Internet, Web browsing, E-mail, managing, messages.