



## Curriculum Vitae

**Samy Abd El-Malik Mohammed Abd El-Azeem**

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### Personal Information:

Birth date: 18/1/1968  
Nationality: Egyptian  
Place of Birth: Port-said, Egypt  
Marital Status: Married and one son  
Address: Soil and water Department, Faculty of agriculture, Suez Canal University. Ismailia, Egypt.

### Languages

Arabic: Native Speaker  
English: Fluent

### Education

Institute / University	Country	Year of Graduation	Degree
Suez Canal University	Egypt	2006	Ph.D. in Soil Sciences (Soil Microbiology)
Suez Canal University	Egypt	1998	M. Sc. in Soil Sciences (Soil Microbiology)
Suez Canal University	Egypt	1991	B.S. in Agricultural Sciences (Soil & Water Sciences) Grade: Very good with honor degree

### Employment History

- 2006 until now**
- Lecturer of Soil Microbiology, Department of Soil and water, Faculty of Agriculture, Suez Canal University, Ismailia, Egypt
- 1998 - 2006**
- Assistant Lecturer, Department of Soil and water, Faculty of Agriculture, Suez Canal University, Ismailia, Egypt
- 1995 - 1998**
- Demonstrator, Department of Soil and water, Faculty of Agriculture, Suez Canal University, Ismailia, Egypt
- 1992 - 1995**
- Research student, Department of Soil and water, Faculty of Agriculture, Suez Canal University, Ismailia, Egypt

### Teaching Experience

#### Teaching/co-teaching:

Institution	Courses	Course Level
Suez Canal University	Soil Microbiology	Under-graduate (fourth year)
	Aquatic ecosystem pollution	Under-graduate (third year)
	Water and soils of fish ponds	Under-graduate (third year)
	Soil and Water analysis	Post-graduate
	Soil Biotechnology	Post-graduate

### Research Interests

My principal research interest is in the area of Soil and environmental Microbiology. They can be broken down into several specific areas of activity. One of these is the use of phosphate solubilizing bacteria to improve phosphorus availability under Egyptian soils conditions. A second area is the use of plant growth promoting rhizobacteria (PGPR) to increase the growth and yield of cereals, legumes and other crops. This led to the isolation of several new PGPR strains from different rhizospheric soils plant grown in Suez Canal region, Ismailia, Egypt and detect of a material, produced by a PGPR that causes direct stimulation of plant growth. A third area of research is the use of PGPR as soil bioremediation.

# Curriculum Vitae

## Training and Workshops

- Jan. 11 – Feb. 3, 2000
- Workshop on "preparation of the university teacher", Suez Canal University, Ismailia, Egypt
- July 10<sup>th</sup> – 10 August, 2004
- Training on "Fundamentals for environmental protection and sustainable development", like heavy metal pollution in waters and microbial contamination and prevent/remediation in environment at INCA Consortium, Venice, Italy, Tempus programme, project JEP-30031-2002
- April, 2005
- Workshop on "Studies on environmental Impact and Hazards", Suez Canal University, Ismailia, Egypt
- Dec. 2005
- Workshop on "Communication skills", Suez Canal University, Ismailia, Egypt
- Jan. 2006
- Workshop on "Scientific Research Methodology", Suez Canal University, Ismailia, Egypt
- Feb. 2006
- Workshop on "Thinking Skills", Suez Canal University, Ismailia, Egypt
- Dec. 2006
- Workshop on "Technology of Teaching Methodologies", Suez Canal University, Ismailia, Egypt
- 19-20 Nov. 2007
- Workshop on "Online Distance Education", Co-organized between the United Nations University-Global Virtual University and Suez Canal University.
- 22 Jan. – 30 Jun. 2007
- E-Teaching I. The International Online Tutor Course. United Nations University/Global Virtual University (UNU/GVU).

## Conferences and Seminars

- September 6-10, 1993
- 6<sup>th</sup> International Conference of Biological Nitrogen Fixation in non-legume plants, Ismailia, Egypt
- December 15-16, 1996
- The National Symposium on Nitrogen-Fixing Leucaena Trees, El-Arish, North Sinai Governorate, Egypt.
- April 4-6, 1998
- 27<sup>th</sup> Symposium on Agro-Technologies Based on Biological Nitrogen Fixation for Desert Agriculture, El-Arish, North Sinai Governorate, Egypt.
- May 24, 2004
- Co-Convener for the Symposium on "El-Salam Canal Project: Land Reclamation and Salinity problems" Suez Canal University
- 9-10, July 2007
- 2<sup>nd</sup> International Conference on the Role of Genetics and Biotechnology in Conservation of Natural Resources, Ismailia, Egypt.
- 27-31, October 2007
- 8<sup>th</sup> African Crop Science Society Conference, El-Minia, Egypt.
- December 5, 2007
- Seminar in title "Studies on Plant Growth Promoting Rhizosphere Microorganisms". In Botany Department, Faculty of Science, Suez Canal University, Ismailia, Egypt.

## Projects Experiences :

- 1998-2002
- Member of the teamwork of the project entitled (Reclamation of desert land by using wastewater sludge and cement kiln dust, PDSKP).
- 2000-2001
- Member of the teamwork of the project entitled (Influence and Residual Effects of Some Organic Wastes on Crop Productivity, Quality and Soil Properties).
- 2001-2002
- Member of the teamwork of the project entitled (Sewage Sludge Compost).
- 2003-2004
- Member of the teamwork of the project entitled (Improvement of cereal crops production in El-Salam Canal projects lands).

## Professional Membership:

- Member of the Egyptian Society of Soil Sciences
- Member of the Agriculture research journal, Suez Canal University
- Member of the Egyptian Society of Environmental Sciences, Faculty of Science, Suez Canal University
- Member of the Microbiological Applied Society, Suez Canal University

# Curriculum Vitae

## Publications

### Theses

**M.Sc.** The Influence of Phosphate Solubilizing Bacteria in the Soil and Rhizosphere on Phosphorus Availability. Soil Science dept., Faculty of Agriculture, Suez Canal University, Ismailia, Egypt.

**Ph.D.** Studies on Plant Growth Promoting Rhizosphere Microorganisms. Soil Science dept., Faculty of Agriculture, Suez Canal University, Ismailia, Egypt.

### Conference papers

- 1- **Abd El-Azeem, S.A.M;** Mehana, T.A. and Shabayek, A.A. (2007). Response of faba bean (*Vicia faba* L.) to inoculation with plant growth- promoting rhizobacteria. 2<sup>nd</sup> International Conference on the Role of Genetics and Biotechnology in Conservation of Natural Resources, Ismailia, Egypt, 9-10, July 2007.
- 2- **Abd El-Azeem, S.A.M;** Mehana, T.A. and Shabayek, A.A. (2007). Response of wheat (*Triticum aestivum* L.) to inoculation with plant growth- promoting rhizobacteria. 3<sup>rd</sup> International Conference on Future Trends in Genetics and Biotechnology for Safe Environment, Ismailia, Egypt, 8-9, July 2008.

### Journal paper

- 1- **Abd El-Azeem, S.A.M;** Mehana, T.A. and Shabayek, A.A. (2007). Response of faba bean (*Vicia faba* L.) to inoculation with plant growth-promoting rhizobacteria. The International Journal of Environmental Sciences, CATRINA, 2(1):67-75.
- 2- **Abd El-Azeem, S.A.M;** Mehana, T.A. and Shabayek, A.A. (2007). Some plant growth promoting traits of rhizobacteria isolated from Suez Canal Region, Egypt. African Crop Science Conference Proceedings, 8: 1517-1525.
- 3- Abdel-Hadi, M. and **Abd El-Azeem, S. A. M.** (2008). Biogas and Methane Production from Buffalo Dung under Heating and Mixing Conditions in Vertical and Horizontal Digesters. **In press**

# Curriculum Vitae

## Reference

### **Dr. El-Sayed Atta**

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### **Dr. Ahmed Shabayek**

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