



كامل : كيمياه حيويه  
 دكتور : الاطباء الجزئية  
 SE: 736



## CURRICULUM VITAE

### PERSONAL DATA

احمد كامل عبد الله

**Full Name** : Ahmed Kamal Abd El-Samad .  
**Date & Place of birth** : 23/9/1974 – Giza .  
**Nationality** : Egyptian .  
**Religion** : Moslem .  
**Marital Status** : Married .  
**Home Address** : 21 Abd El-Azeem Selim St. Giza Egypt.  
**Tel.** : 02-37766451 (work). 0100-6602373 (Cellular)  
**E-mail** : elprince4@hotmail.com.  
**Webpage** : <http://spaces.msn.com/Ahmed-Kamal-Molec-Biolo>  
**Occupation** : Researcher.  
**Work Address** : Molecular Biology and biotechnology Unit, Dep. of virus and  
 Phytoplasma, plant Pathology Res. Inst, Agricultural Research  
 Center (ARC), Egypt.

### EDUCATION DATA

**Scientific Degrees** : - **B.sc. science 1996** in chemistry, grade Very good.  
 - **Master Degree 2003** in Biochemistry (Molecular Virology)  
 - **PhD 2010** in Biochemistry (Molecular Biology)

**University** : Cairo, faculty of science.

**Graduation Projects** : (1) Biochemistry of blood & bloodreactions.  
 (2) Application of ICP atomic Emission Spectroscopy.

**Title of master thesis:** "Progress studies on production of edible vaccine against  
 Hepatitis C Virus (HCV) utilizing transgenic plants using advanced molecular biology  
 techniques"

**Title of PhD thesis:** Molecular characterization of Potato Leaf Roll Virus and Gene  
 Silencing as a Strategy for Transgenic Resistance in Plant

### Scholarships:

- All the experimental work of the master program was done at the national institutes of health (NIH), Maryland (MD), USA, And at Fraunhofer center for molecular biotechnology, DE, USA.
- The experimental work of the PhD program was done at Goteborg University, department of Cell and Molecular Biology (CMB), Goteborg, Sweden.

### Major Specialty

Virology, Molecular biology and plant Biotechnology.

### CAREER or Employment History

- **Senior researcher.** The supervisor of the Molecular Biology and Biotechnology unit, Virology department, ARC Egypt (from 1998) (My current governmental position).
- Guest Researcher at the NIH, MD, USA during Sep. –2001 to March-2002

التوقيع  
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 م. كمال عبد الله  
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- **Guest Researcher** at Fraunhofer center for molecular biotechnology, DE, USA for two months (2002).
- **Guest Researcher** at the department of Cell and Molecular Biology (CMB); Goteborg University, Sweden (2007-2008).
- **Clinical Biochemist** (from 1998- 2008) (part time job in As-Salam International Hospital).
- **Post Doctoral** position at the department of plant and environmental sciences; Goteborg University, Sweden; 2010.

#### **MEMBERSHIP IN SCIENTIFIC ORGANIZATIONS**

- Member in the board of the Egyptian Virological society.
- Member in the Egyptian Society of phyto-pathology

#### **Attendance in international research projects:**

During my work in the agricultural research center from 1998 till now, I was involved in the research team work of 10 scientific research projects on the international level, and I was attending the annual meetings of such projects. The following is the list of the projects those I attended:

- 1- Improve Productivity of Stone Fruit Trees In Egypt Through Production Of Virus-Free Mother Trees (FFACF) (1998-2001).
- 2- Development of anti hepatitis C vaccines utilizing transgenic plants, (1998-2001) funded by the USA-Egypt joint program.
- 3- Development of Regional Indexing and Certification Program for Plant Propagation Materials in the Middle East, (1998-2002) Funded by USA.
- 4- Development of Tomato with Combined Resistant to Tomato Yellow Leaf Curl Virus Using Virus- Derived Resistance and Molecular Marker-Assisted Breeding, (2002-2008) Funded by USA.
- 5- Microarray-based detection of plant viral and viral-like pathogens, (2005- 2008), Funded by European Union.
- 6- Development of plant derived subunit vaccine candidate against Herpes Simplex Virus, HSV-2, (2007-2010), funded by the Swedish Government.
- 7- Development and Improvement of Local Seed Potato Production in the Middle East, (2007-2012) Funded by USA.
- 8- Monitoring of cereal virus and virus-like diseases for prevention through regional detection and quarantine systems” M27-063. Answers to provisos and modifications of research project (2008-2012), Funded by USA.
- 9- Control Of New Threatening Cucurbit–Infecting Whitefly-Transmitted Geminiviruses in the Middle–East (2008-2012), Funded by USA.
- 10- Development of Tomato with Multi-resistances to *Tomato yellow leaf curl virus*, Salinity, Drought and Heat (2010-2013), Funded by USA.

Employment History :

\*Scholarship student from Dept. of Genetics ,Ain Shams University from 1992 - 1997 .

\*Part time assistant in Plant Pathology Research Institute. 1997 - 1999.

\*Appointed research officer in Plant Pathology Research Institute - 1999 -2001.

\* Researcher in Agricultural Research Center, Plant Pathology Research Institute, Fingerprinting Lab. 2001.

\* Senior researcher in Agricultural Research Center, Plant Pathology Research Institute, ( 13/1/2007)

\* Supervisor of the Biotechnology Laboratory of Plant Pathology Research Institute, ( /5/2008).

-Supervisor on post graduate students under the title :

- 1- Biological Control Studies on Seedling Disease of Cotton.
- 2- Biochemical and molecular characterization of some Plant Growth Promoting Rhizobacteria (PGPR) groups and it's role in fungal wheat diseases controlled in saline soil.
- 3- Molecular and biochemical studies on some aflatoxins producing fungi in Egypt
- 4- Pathological studies on *Ralstonia solanacearum* the causal agent of brown rot .

- Involved in the program of methyl bromide alternatives.
- Pass the examination of ICDL.

I have a good theoretical background and a practical experience in the following topics:

- electrophoresis of SDS- PAGE. ( of Bacteria , Fungi and Plant)
- electrophoresis of enzyme- PAGE. ( of Bacteria and Plant )
- RAPD-PCR analysis. ( of Bacteria , Fungi , Plant , blood and insects )
- Specific- PCR
- SSR – PCR
- DNA sequencer system (with thermo sequenase cy 5.5 terminator cycle sequencing kit )
- **Cotton plant pathology.**
- bio-control of cotton diseases.

- Real- time PCR (with syper-green kit).

Publication :

1- Naglaa, A. Ashry: M. T. M. Mansour, Maggie E. M. Hassan and A. A. Aly. Use of RAPD Analysis as Molecular Markers for Powdery Mildew Resistance in Flax . Egyptian J. Genet. Cytol., 31 : (2) 279 – 222, 2002.

2-Hussein E.M., Maggie E. M. Hassan, Mohamed S. Khalil and Aly A. A. Detection of genetic variation in some Egyptian cottons resistant or susceptible to Fusarium wilt disease by RAPD analysis. J. Agric. Sci. Mansoura Univ., 27 (5): 3089- 3099, 2002.

3- Hussein E.M., Maggie E. M. Hassan, Aly A. A., Zayed S. M. E. and Abou Zeid T. A. Lack of relationship between protein electrophoretic patterns of Flax cultivars and their susceptibility to powdery mildew. J. Agric. Sci. Mansoura Univ., 27(6): 3781– 3792, 2002.

4- Maggie E. M. Hassan, Mohamed S. Khalil, Nabil S. Farag and Sherien A. Harphoush. Differentiation among *Ralstonia solanacearum* isolates causing potato bacterial wilt by Random Amplified Polymorphic DNA . Egypt. J. Agric. Res., 81 (4), 2003.

5- Aly ,A.A., Maggie E. M. Hassan, E. M. Hassan and M. T. M. Mansour . Quantification of Flax Resistance to Powdery Mildew by The Random Amplified Polymorphic DNA (RAPD). Egypt. J. Agric. Res., 82 (4), 2004

6– M. S. Mikhail , K. K. Sabet , Maggie E. Mohamed , Mona, H. M. Kenawy , Kh. K. Kasem . Effect of Compost and Macronutrients on Some Cotton Seedling Diseases. Egypt. J. Phytopathol., vol.33,no.2, pp. 41-52 (2005).

7- Inducing Resistance against Faba Bean Chocolate Spot Disease. Maggie E.M. Hassan , Saieda S. Abd El-Rahman, I. M. El-Abasicy and M. S. Mikhail , Egypt. J. Phytopathol., vol.34,no.1, pp. 69-79 (2006).

8- Maggie E. M. Hassan . Using RAPD-PCR techniques in identification of cotton Fusaria. Egypt. J. Agric. Res., 84 (2), 2006

9- Maggie E. M. Hassan, Saieda S. Abd El- Rahman, I. H. El- Abbasi and M. S. Mikhail. Changes in Peroxidase Activity due to Resistance Induced Against Faba Bean Chocolate Spot Disease. Egypt. J. Phytopathol 35 (1) pp. 35-48. (2007)

10- Maggie E. M. Hassan , Salah M. Abdel-Momen, Abeer M. Shaltout and Hayam S. Abdelkader. Detection And Quantification of *Fusarium oxysporum* f. sp.

*lycopersici* in Tomato Using Real-Time PCR . Egypt. J. Phytopathol., Proceedings, November 27-28, 2007, Giza, Egypt.

11- Maggie E. M. Hassan , Saieda S. Abd El-Rahman , Nafisa M. Gomaa and Sahar A. M. Zayan . Using conventional and Real-time PCR to detect and Quantify *Fusarium oxysporum f.sp. vasinfectum* in cotton . Egypt. J. of Appl. Sci., 25 (1) 2010.

12- Saieda S. Abd- El- Rahman, Maggie E. M. Hassan and M. A. El-Naggar. Virulence of *Botrytis spp.* the causal of *faba bean* chocolate spot disease in relation to toxins production, enzyme activity and molecular marker. Proceedings of the 2<sup>nd</sup> EMUNI Research Souk, Resouk 14 June 2010.

13- Kamhawy, M.A.M. Maggie E.M.Hassan , Sahar A. Sharkawy and Noha F. El-Badawy. Morphological and phylogenetic characterization of *Pestalotiopsis* in relation to host association. Egypt. J. Res., 89 (1), 2011.

14- Husein, E.M., M.T.M. Mansour, Maggie E.M.Hassan, Eman A. El-Kady and K.K. Kasem. Use of serology, SDS-PAGE, and RAPD analysis to evaluate resistance of Flax to Powdery Mildew. Egypt. J. Res., 89 (1), 2011.

15- Evaluation of some Plant Growth-Promoting Rhizobacteria (PGPR) role inducing resistance of wheat leaf rust under saline conditions . (in press)

16- Using SSR-PCR techniques in differentiation of cotton Fusaria .Maggie E. M. Hassan. ( in press)

17- Using virulence genes *hrpB*, *egl* and *fliC* in differentiation between virulent and phenotypic conversion type isolates of *Ralstonia solanacearum* .M. S. Mikhail, Maggie E. Mohamed, A. I. Abdel-Alim and Maryam M. Youssef . ( in press)

-Participation in local and International Conferences :

\* Economic Growth : "The Involvement of Biotechnology and the Modern Bioindustries " that was held in Beirut in November 12 , 2001 .

- Bibliotheca Alexandrina Conference Center , Alexandrina, Egypt  
Biotechnology and Sustainable Development – Voices of the South and North" March , 2002

\* 8 th International Congress of Plant Pathology 2 – 7 / 2 / 2003 Christchurch , New Zealand.

- Bibliotheca Alexandrina Conference Center , Alexandrina, Egypt . Changing live (26-29/4/2006).

Plant Pathology congress of Egyptian Phytopathological Society 27 – 28 /11/2007, Giza, Egypt.

- Bibliotheca Alexandrina Conference Center , Alexandrina, Egypt. New Life Sciences: from Promises to Practice 12-16 April 2008.
- Attend the 1<sup>st</sup> information session for Research, Development & Innovation Programme on 18 May 2008 at Cairo University).
- Attend the " Innovation and technology transfer to the Egyptian industry : Exploring the German model " June 10<sup>th</sup> , 2008.

\* Working Meeting of ARC FP7 KBBE Focal Points - Wednesday, 21 January, 2009.

\* Training on ( Enhancement of Egyptian participation in FP7 in the context of "MEDA GO TO EUROPE" project theme 2 Food, Agriculture, Fisheries, and Biotechnology) Wednesday 25 March 2009 at the Federation of Egyptian Food Industries Main Hall – 1195 Cornish El Nile Street – Cairo – Egypt.

- The Twelfth Congress of Phytopathology. Organized by The Egyptian Phytopathological Society. 3-4 May 2011, Giza, Egypt.
- Workshop in Hunan Agricultural university in China 15/10 – 3 / 11 / 2011.

Award a fellowship to attend the world life sciences forum BioVision 2005 Lyon , France .

\* two times free membership in Bibliotheca Alexandrina library (BA) .

- Membership in the European Federation of Biotechnology (EFB) , EuroArab Management School (EAMS), New York Academy of Sciences (NYAS) and American Association for the Advancement of Science (AAAS) .
- Nanotechnology