



## Curriculum Vitae

**Ahmed I. S. Ahmed, Ph.D.**



*Egypt, Cairo; Oct. 21, 2013*

Plant Pathology Unit, Plant Protection  
Dept., Desert Research Center.  
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Date of Birth: April 1, 1978.  
Place of Birth: Sohag, Egypt.  
Citizenship: Egyptian  
Address: 46 Ain Shams St., Borg El-  
kawthar. #11 Appt. #32. Cairo. Egypt.

Passport No.: A05304761 Passport  
Type: Regular

### EDUCATION:

**PhD.**, Genetic Engineering and Biotechnology "Plant Biotechnology", Genetic Engineering and  
Biotechnology Research Inst. Al-Monofia Univ. , June 2010.

**MSc.**, Genetic Engineering and Biotechnology "Plant Biotechnology", Genetic Engineering  
and Biotechnology Research Inst. Al-Monofia Univ. , September, 2006.

**BSc.**, Plant Pathology, Fac. of Agric., Al-Azhar Univ. , June 2000.

**Ph.D. Dissertation Title:** Application of Molecular Markers for Developing Resistance of  
Net Blotch Disease and Drought as well as Salinity Tolerance in Barley.

**M.Sc. Thesis Title:** Biotechnological Studies on Some Barley Newly Bred Lines as Affected  
by Net Blotch Disease in Relation to Abiotic Stresses.

### EMPLOYMENT HISTORY:

**Researcher Assistant:** Desert Research Center (DRC), Plant Protection Dept., Plant  
Pathology, from 2001.

**Assistant Researcher:** Desert Research Center, Plant Protection Dept., Plant Pathology,  
from 2007.

**Researcher "according to some international and American Universities my position  
is (Assist. Prof.):** Desert Research Center, Plant Protection Dept., Plant Pathology,  
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from 2011.



## د. أحمد إسماعيل سيد أحمد



**الوظيفة:** باحث أمراض النبات - شعبة البيئة وزراعات المناطق الجافة - مركز بحوث الصحراء  
تاريخ الميلاد: ١١ ابريل ١٩٧٨، مكان الميلاد: سوهاج - مصر، الجنسية: مصري، الحالة الاجتماعية: متزوج  
العنوان: العمل: ١ ش متحف المطرية - ص.ب: ١١٧٥٣ - القاهرة، مصر  
المنزل: ٤٦ ش عين شمس الرئيسي - برج الكوثر - الدور ١١، شقة ٣٢  
التليفون: منزل: +٢٠٢٢٤٩٨٧٠٥٥ موبايل: +٢٠١٠٠٣٨٧١٧٨٨  
جواز سفر رقم: A05304761 تاريخ إصداره: ٢٠١١/٠٩/٢٢ تاريخ انتهاء صلاحيته: ٢٠١٨/٠٩/٢١

### المؤهلات العلمية:

- دكتوراه الفلسفة في الهندسة الوراثية والتكنولوجيا الحيوية (بيوتكنولوجيا نباتية)، معهد بحوث الهندسة الوراثية والتكنولوجيا النباتية- جامعة المنوفية - مدينة السادات. ٢٠١٠
- ماجستير الهندسة الوراثية والتكنولوجيا الحيوية (بيوتكنولوجيا نباتية)، معهد بحوث الهندسة الوراثية والتكنولوجيا النباتية- جامعة المنوفية - مدينة السادات. ٢٠٠٦
- بكالوريوس العلوم الزراعية، أمراض النبات، كلية الزراعة، جامعة الأزهر، ٢٠٠٠

### \*\* التدرج الوظيفي:

- **مساعد باحث:** مركز بحوث الصحراء- قسم وقاية النبات- وحدة أمراض النبات، ٢٠٠٧:٢٠٠١
- **باحث مساعد:** مركز بحوث الصحراء- قسم وقاية النبات- وحدة أمراض النبات، ٢٠١١:٢٠٠٧
- **باحث:** مركز بحوث الصحراء- قسم وقاية النبات- وحدة أمراض النبات، ٢٠١١: الان

### \*\* البرامج والمنح الدولية:

- ورشة عمل دولية وبرنامج تدريبي "تطبيقات التكنولوجيا الحيوية"، اغسطس ٢٠١٢، وزارة الشئون الخارجية - الهند.
- برنامج تدريبي دولي "مكافحة التصحر في الدول النامية"، اكتوبر - نوفمبر ٢٠١١، اكااديمية البحث العلمي - الصين.
- برنامج تدريبي دولي " التكنولوجيا الحديثة لنظم التنمية المستدامة"، يوليو - اغسطس ٢٠١٣، الوكالة الدولية للتعاون الانماني - تايلاند.

### \*\* مجالات الاهتمام العلمي:

- الهندسة الوراثية والتكنولوجيا الحيوية النباتية - مكافحة البيولوجية للأمراض النباتية
- مكافحة التصحر والتنمية المستدامة. - العمل التطوعي لخدمة المجتمع الزراعي

**\*\* نبذة عن النشاط البحثي:** عدد خمسة بحوث منشورة وثلاثة تحت النشر وثلاثة في مرحلة الاعداد والكتابة، وجرى العمل في سبعة ابحاث تنتهي في عام ٢٠١٦، في مجال مكافحة البيولوجية للأمراض النباتية، وتطبيقات التكنولوجيا الحيوية في مقاومة الامراض النباتية.

### **المشروعات والتكليفات الحالية خلال ٢٠١٣/٢٠١٤:**

- تم التقدم بمشروع "انشاء بنك الفطريات والكائنات الدقيقة بمركز بحوث الصحراء" وتم الحصول على موافقة مجلس إدارة المركز، والمشروع في مرحلة الانشاء.
- في إطار العمل التطوعي لخدمة المجتمع الزراعي: منسق اتفاق التعاون بين مركز بحوث الصحراء وشركة حبيبة للزراعة العضوية بجنوب سيناء.
- عضوية الجمعيات العلمية وجمعيات المجتمع المدني: عضو عامل في العديد من الجمعيات العلمية المهمة بعلوم البيئة والتنمية المستدامة، وكذا بعض جمعيات المجتمع المدني المهمة بخدمة المجتمع والبيئة والتنمية الزراعية.
- المجتمع العلمي العالمي: على تواصل مع العديد من علماء أمراض النبات والتكنولوجيا الحيوية ومكافحة التصحر والتنمية المستدامة وذلك في اكثر من عشرين دولة حول العالم.
- مهارات اخرى: إجادة الكمبيوتر، اللغة الانجليزية بمستوى جيد جداً "قراءة - كتابة"، بعض برامج الاحصاء البيولوجي والمعلوماتية الحيوية.

**TRAINING: (Most recent training courses):**

**Participation in:**

- Workshop – special event- entitled " **Entrepreneurial Development**", The German Academic Exchange Service, DAAD Cairo Academy, Egypt, 12&13 June 2013.
- Workshop entitled "**Biodiversity and Conservation of Fungi; Mycorrhizae - Secret Underground Agents**". Arab Society for Fungal Conservation and Desert Research Center, North Sinai Station, Egypt, 9-10 March 2013.
- International Training course and workshop entitled "**The training and study visits on desertification in Egypt**", Afro-Asian Rural Development Organization (AARDO) and DRC, Egypt, 4-12/12/2012.
- Intensive training course "**Consultant international arbitration and prompt justice**", Democracy and Human Rights Program, Fac. of Economics and Political Science; Cairo Univ.; Egypt, 2012.
- Workshop "**Ethics in Science**" on the further domain Academic skills, The German Academic Exchange Service, DAAD Cairo Academy, Egypt, 27 March, 2012.
- Workshop "**International Publishing**". The German Academic Exchange Service, DAAD Cairo Academy, Egypt, 7 March, 2012.
- Workshop "**Proposal Writing Post Docs**". The German Academic Exchange Service, DAAD Cairo Academy, Egypt, 28 February 2012.
- Workshop to discuss "**The road map plan for the distribution of population and reconstruction of some Egyptian deserts regions, and the coasts**". The Egyptian Academy of Sciences, Cairo, Egypt, 15/12/2011.
- International Training course in "**Preparation and Examination of Specimens using Scanning Electron Microscope**", Ain Shams Univ., Electronic Microscope Unit, Cairo, Egypt, 17-24 July 2011.
- Training Course of "**Development of land resources in desert areas**" Desert Research Center, Egypt, 12-16 December 2010.
- Training course entitled "**Amino Acid Analyzer** ", Desert Research Center (Central Laboratory), Egypt, Cairo, 27/9-1/10/2009. Egyptian American workshop "**Molecular Biology & Bioinformatics**" 21<sup>st</sup> January 2009 at, Fac. Agric., Fayoum Univ., Fayoum, Egypt.
- Training Course of "**Integrated Control for Diseases and Insects of Date Palm**". Agricultural Research Center (A.R.C.) Egypt. Central Laboratory for Palm Research, March 2007.

- Training Course of "**DNA Technology and Production of Recombinant Protein Therapeutics**". The Micro Analytical Centre, Faculty of Science, Cairo University, April 2005.

- Training Course of "**Applications of Genetic Engineering, Biotechnology, and Radioisotopes in biological and Agricultural Fields**". Middle Eastern Regional Radioisotopes Centre for the Arab Countries". Cairo, March 2004.

Training Course of "**Conservation of Genetic Resources**" Ain Shams Center for Genetic Engineering and Biotechnology Branch of Faculty of Agriculture Ain Shams Univ. (ACGEBFAG). October 2002.

#### **INTERNATIONAL GRANTS/ AWARDS:**

- International Training course and workshop "**Modern Technology for Sustainable Agriculture system**" 8-19 July. 2013, Thailand International Cooperation Development Agency (TICA), Naresuan University, **Thailand**.
- International Training course and workshop in "**Applications of Biotechnology and its Regulation**" 13-31 August. 2012, Ministry of External Affairs, Indian Technical and Economic Cooperation (ITEC), The Energy & Resources Institute (TERI), New Delhi, **India**.
- International Training course and workshop in "**Desertification and its control for developing countries**" 20 Oct.-09 Nov. 2011, Chinese Academy of Sciences, Lanzhou, **China**.

#### **CONFERENCES:**

- The Seventh annual conference "New Agricultural and Environmental Researches for Permanent Development", Agricultural Chemistry and Environment Protection Society, held from 5-6 March 2014 at Guest house – Ain Shams Univ.
- Ninth National Conference of "**Biochemistry and Molecular Biology & Their Role in Development and Environment**", The Egyptian Academy of Sciences, Cairo, Egypt, 4-6 March 2012.
- The fourth annual conference "**Environmental Development (Risks and Solutions)**". Agricultural Chemistry and Environment Protection Society, held from 20-21 October 2010 at Guest house – Ain Shams Univ.
- Participation in International Conference of Biotechnology "**Genetics & Genomics for Crops Development in the Mediterranean Area**" Italy Egypt Year of science & Technology, held 15th – 16th Nov., 2009 at Agricultural Genetic Engineering Research Institute (AGERI), Agricultural Research Center (ARC), Giza, Egypt.

### **Fields of Interest:**

- Plant pathology.
- Desertification Combat.
- Sustainable Development.
- Conservation of Genetic Resources.
- Biotic and abiotic stresses in arid regions.
- Applications of Genetic Engineering and Biotechnology in Plant diseases.
- Antimicrobial activity of plant constitutes.
- Development of land resources in desert areas.
- Environmental Protection (Non Chemical control of plant pathogens)

### **MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS**

- Italo-Latin\_American Society of Ethno-medicine, Italy (<http://www.silae.it/eng/front>)
- Arab Society for Fungal Conservation.
- Egyptian Society of Plant Pathology.
- Egyptian Society of Environmental Toxicity.
- Egyptian Entomological Society of Egypt.
- Sinai Deserts Friends Association for Environment and social development.
- Agricultural Chemistry and Environment Protection Society.

### **SELECTED AND RECENT PUBLICATIONS:**

- El-Halfawy, Kh. A.; S.A.Afiah; K.I.Zaki and A. I. S. Ahmed (2006). RAPD-Markers for yield ability and disease resistance in barley under rainfed conditions. Egyptian Journal of Desert Research, 56 (2): 363-380.
- K. I. Zaki and A. I. S. Ahmed(2008). Detection of biochemical genetic markers for net blotch disease and barley grain yield. Egypt. J. Phytopathol., Vol. 36, No. 1-2, pp. 1-17.
- El-Halfawy, Kh. A.; S. A. Afiah; K. I. Zaki; M. F. Salem and A. Ismail (2010). Barley drought tolerance in relation to biochemical genetic markers (isozymes). J. Biol. Chem. Environ. Sci., Vol. 5(1):445-459.
- Afiah, S.A.; Kh. A. El-Halfawy; K. I. Zaki M. F. Salem and A. Ismail (2010). Selecting barley genotypes for salinity tolerance in the bases of molecular genetic markers. J. Biol. Chem. Environ. Sci., Vol. 5(1):57-77.
- Ahmed, A. I. S.; K. I. Zaki; M. F. Salem; Kh. A. El-Halfawy and S. A. Afiah (2010). Detection of resistance related gene to net blotch disease in some barley genotypes. Egypt. J. Phytopathol., Vol. 38, No. 1-2, pp. 13-23.

- Sandra Pérez; Ahmed I S Ahmed and Daniel Cabezas (2013). Molecular and biochemical characterization of tomato (*Solanum lycopersicum* L.) plants cv. Micro-Tom under lead (Pb)-induced stress. *Biotecnología Aplicada*; Vol.30,(3): 194-198.

**Researches under Study:**

- Sage plant resistance to root rots causal agents via tissue culture.
- Role of *Micorrhyzae* to control some soil born diseases and its effect on *Salvia officinalis* L. productivity under North Sinai conditions.
- Evaluation of some sorghum genotypes for resistance to downy mildew disease.
- Molecular markers for resistance of chocolate spot disease in faba bean (*Vicia faba* L.) using ISSR-PCR.
- Morphological and histological aspects of some plant pathogenic fungi due to some Plant rhizo-bacterial isolates.
- Antifungal activity of Actinomycetes isolates against some plant pathogenic fungi.
- Effect of algal extract on growth, some chemical constituents, productivity and control of main soil born diseases on *Salvia officinalis* L.