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Genetics Department,
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Date of Birth: 01/02/1980

Place of Birth: Albeheira, Egypt

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EDUCATION

- **B.Sc. (June 2002):** The Agricultural Production Dept, Faculty of Agriculture, Damanhour Branch, Alexandria University, Egypt.
- **M.Sc. (Mai, 2007):** In Genetics Department, Faculty of Agriculture, Damanhour Branch, Alexandria University, Egypt. Thesis Title: “Polytene chromosome and genetic polymorphism”.
- **Ph. D. (March, 2012):** n Genetics Department, Faculty of Agriculture, Damanhour University, Egypt. Thesis Title: “Genetical studies on potato brown rot disease.”
- **Assistant prof.(Mai, 2017)**

WORK EXPERIENCE

- Demonstrator (December 2002 – Jun 2007): Genetics Department, Faculty of Agriculture, Damanhour Branch, Alexandria University, Egypt.
- Assistant Lecturer (Jun 2007 –April 2012): Genetics Department, Faculty of Agriculture, Damanhour University, Egypt.
- Lecturer (April 2012- Mai 2017): Genetics Department, Faculty of Agriculture, Damanhour Branch, Alexandria University, Egypt.
- Assistant prof.(Mai, 2017-present): Genetics Department, Faculty of Agriculture, Damanhour Branch, Alexandria University, Egypt



TEACHING EXPERIENCE

- Principle of genetics
- Molecular genetics
- Quantitative genetics
- Population genetics
- Cytogenetic Genetic of techniques
- Biotechnology applications
- Biochemical genetics
- Microbial genetics
- Genetics techniques
- Cell biology
- Mutation genetics
- Ecological genetics

COMPUTER SKIublications LANGUAGE PROFICIENCY

- Arabic: fluent, written and spoken (native tongue).
- English: fluent, written and spoken.
- Successfully completed **Local TOEFL** received score 74 iBT (571 pbt) October 2010.

Scientific Activities & Research Interests:

- *Plant Biotechnology and Molecular Biology.*
- *Plant genome analysis structure and function.*
- *DNA-RNA-Protein.*
- *Plant Biotic and Abiotic Stress.*
- *Defense system study in plant.*
- *Virulence genes in pathogen (bacteria, fungi, virus and other).*
- *Tissue culture of plants*
- *Gene expression through the use the differential display technique*

Participation in the Committees and Student Activities Participation in the Committees at Damanshour University book

- Manal M Abdel Rahman and Ibrahim A Adss. (2013). Principle of genetics for undergraduate students at Faculty of Agriculture, Damanshour University (2013-present).

COMPUTER SKILLS



- Successfully completed **ICDL**
- I have a good experience on computer software & hardware.
- Microsoft Office (Word, Excel, PowerPoint, Access, Outlook).
- Statistical analysis programs (SAS).*Publ*

CONFERENCES, SYMPOSIUMS & WORKSHOP

1. **Plant Genome Evaluation, Amsterdam, the Netherlands, 6-8 september, 2015**
2. **International Conference of Genetics and its role in life Science Development, Faculty of Agriculture-Alexandria university, Egypt,19-22 April 2016**
3. **Biovision Conference, Alexandria - Egypt 12-14 April 2016**
4. **The first Scientific Day for Students of the faculty of Agriculture , Damanhour University, Egypt,july 18. 2016**
5. **ISO/IEC 17025:2005 General Requirements, Terminology & Accreditation Process (1st training session).19/12/2016**
6. **Quality Assurance and quality control in accredited Laboratories according to ISO/IEC " 170251((2st training session).5/1/2017.**

TRAINING COURSES and WORKSHOP

- 1- ***Communication Skills Training Course***, Faculty of leadership development center (FLDC), Alexandria University, Egypt, February 6-8, 2007.
- 2- ***Effective Teaching Training Course***, Faculty of leadership development center (FLDC), Alexandria University, Egypt, February 3-6, 2007.
- 3- ***Research Methodology Training Course***, Faculty of leadership development center (FLDC), Alexandria University, Egypt, January 27-30, 2007.
- 4- ***Effective Presentation Training Course***, Faculty of leadership development center (FLDC), Alexandria University, Egypt, August 2-4, 2011.
- 5- ***Decision-making and problem-solving***, Faculty of Leadership Development Center (FLDC), Damanhour University, Egypt, August 31- 1september, 2016.
- 6- ***Conference Organization Training Course***, Faculty of leadership development center (FLDC), Alexandria University, Egypt, March 19-20, 2012.
- 7- ***Crisis and Diaster Management***, Faculty of Leadership Development Center (FLDC), Damanhour University, Egypt, August 22-23, 2016.
- 8- ***Research Ethics Training Course***, Faculty of leadership development center (FLDC), Alexandria University, Egypt, July 5-7, 2011.



- 9- The Credit Hour System Training Course, Faculty of leadership development center (FLDC), Alexandria University, Egypt, February 6-7, 2012.
- 10- **Thinking skills**, Faculty of leadership development center (FLDC), Alexandria University, Egypt, January 30-1 February, 2010.
- 11- **Quality standards in teaching**, Faculty of leadership development center (FLDC), Alexandria University, Egypt, February 8-9, 2012.
- 12- **E-Learning**, Faculty of Leadership Development Center (FLDC), Damanhour University, Egypt, November 9nd – 10rd, 2016.
- 13- **Competing for Research Funds Training Course**, Faculty of Leadership Development Center (FLDC), Damanhour University, Egypt, February 17th -18th, 2016.
- 14- **International Publishing of Scientific Research Training Course**, Faculty of Leadership Development Center (FLDC), Damanhour University, Egypt, August 10th -11th, 2016.

List of Publications

1. **HamzH. A, E.E.Hafez, Manal M. AbdEl-Rahman, Samia A. Madkour, Hayda A. Heikal and I. A. Adss. RAPD analysis of some local R. solanacearum isolates and study the relationship between polygalacturonase activity and infection of different potato cultivars. Minufiya J. Agric. RES 39 (6):1611-1625 (2011)**
2. **Adss.I.A.(2013). Different gene expression of Polygalacturonase (pehC) and its relationship to the pathogenicity of different R. solanacearum isolates. J.Agric&Env.Sci. DAM. Univ., Egypt12(3) :82-103.**
3. **Adss.I.A , E. Abdelraouf and M.Z. Dakroury. (2015). Effects of Salt Stress on Gene Expression and Activities of POD and PPO in of Broad Bean (Vicia faba L.) Cultivars. Alex. J. Agric. Res. 60(2) : 65-75.**
4. **Abdelraouf. E, Adss.I.A, Dakroury. M.Z. (2016). A.G. Effect of Salinity on Growth and Genetic Diversity of Broad Bean (Vicia faba L.) Cultivars. ALEXANDRIA SCIENCE EXCHANGE JOURNAL, 37(3) :467-479**
5. **Esmail A. E. Genaidy, Amira K. G. Atteya and I. A.A. Adss(2016). Increase the economic value of the jojoba (Simmondsia chinensis) yield using evaluation of distinctive clones grown under the Egyptian environmental conditions. Journal of Agricultural Technology . 12(1):145-165.**
6. **El-Argawy.E, Adss.I. A (2016). Quantitative Gene Expression of Peroxidase- Polyphenoloxidase and Catalase as Molecular Markers for Resistance against Ralstonia solanacearum. American Journal of Molecular Biology, 6:88-100.**



7. **Tabikha. R. M. and I. A. Adss (2016). Genetic and morphological variations among geographical populations of *Rhopalosiphum padi* (L.) (Hemiptera: Aphididae) in egypt, using rapd and issr markers. *Mun. Ent. Zool.* 11(2): 695: 708.**
8. **Nassar.A. M. K, I. A.A. Adss (2016). 2,4 Dichlorophenoxy acetic acid, abscisic acid, and hydrogen peroxide induced resistance-related components against potato early blight (*Alternaria solani*, Sorauer). *Annals of Agricultural Science.* 61(1): 15–23**
9. **Adss.I. A and R. M. Tabikha. (2016).Relatedness among Geographical Populations of *Sitobion avenae* (Hemiptera: Aphididae) in Egypt, Based on Screening of Some Morphological Characters and Mitochondrial-DNA COI Analysis *J. Plant. Prot. And Path.*, Mansoura Univ.,7(7):417-426.**
10. **Adss. I. A, M. A. Abdel-Gayed, W. Botros and E. E. Hafez (2017). Multilocus Genetic Techniques, RAPD and ISSR Markers, and Polygalacturonase Activity as Tools for Differentiation among *Alternaria solani* Isolates on Tomato Fruits and Relation to Their Pathogenicity in Egypt. *Asian Journal of Plant Pathology*,11(1) :18-27.**
11. **Adss.I. A , H. A. Hamza, E. E. Hafes and H. M. Heikal. (2017). Enhancing tomato fruits post harvest resistance by salicylic acid and hydrogen peroxide elicitors against rot caused by *Alternaria solani* . *Journal of Agriculture Chemistry and Biotechnology*, 8(1):1-8.**
12. **EL-Argawy. E, Adss. I. A and Bayoumi, S. R. (2017). DIFFERENTIAL EXPRESSION OF INDUCED RESISTANCE GENES BY ABSCISIC ACID (ABA) AGAINST POTATO EARLY BLIGHT DISEASE. *Potato Journal* 44 (1), 16-27.**