



C.V.

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Date of birth: October 18, 1973
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Education:

- 2009: Ph.D. in Agricultural Sciences (Genetics), Faculty of Agriculture, Mansoura University. Thesis Title: Genetical and Cytological Effects of Radiation and Fungal Infection on Several Genotypes of *Zea mays*.
- 2005: M.Sc. in Agricultural Sciences (Genetics), Faculty of Agriculture, Mansoura University. Thesis Title: Genetical Studies to Improvement of Ethanol Production from Yeast.
- 1996: B.Sc. in Agricultural Sciences (Genetics) – Grade: Very Good.

Occupation:

- Laboratory Officer of Molecular Biology, Seed Pathology and Tissue Culture Lab, Faculty of Agriculture, Mansoura University, El-Mansoura, Egypt.

Professional History:

- 2016 – present: Assistant Professor of Genetics, Faculty of Agriculture, Mansoura University.
- 2010 – 2016 Lecturer of Genetics, Faculty of Agriculture, Mansoura University.

Languages:

- Arabic: Mother tongue
- English: TOEFL Preparation Course with a score of 540 (2007).

Training/Scientific Sessions

- Training Course: Western blotting, Ain Shams Univ. (24/3-1/4/1998)
- Training Course: Conservation of genetic resources, Ain Shams Univ. (10-22/5/2000)
- Egyptian-German Workshop: Plant Genomics: from the gene to the product (8-13/4/2002)
- Training Course: Molecular Biology (PCR and Protein Analysis), Ain Shams Univ. (13-23/2/2006)
- Training Course: Basic Molecular Biology, Medical Technology Center, Alexandria Univ. (2-5/4/2009)
- Training Course: Applications of Biotechnology, Assiut Univ. (12-14/4/2010)
- Workshop: Introduction to Nanotechnology, Mansoura University (1-8/7/2012)
- Workshop: Gene Expression Analysis on Large Scale Using Microarray and Real Time PCR Techniques, Cairo Univ. (8-11/9/2014)
- Implementing Training Course: Advanced Training Course on PCR Techniques, Seed Pathology and Tissue Culture Lab, Faculty of Agriculture, Mansoura University (6-9/4/2015)
- Implementing Training Course: Quantitative RT-PCR Technique and It's Applications in Agriculture, Seed Pathology and Tissue Culture Lab, Faculty of Agriculture, Mansoura University (3-5/5/2016)
- Implementing Workshop: qRT-PCR Technique Theoretical Basics, Data Analysis and Applications. Training Unit, Faculty of Agriculture, Mansoura University (25-27/4/2017)
- The Second Training Workshop "Techniques of Plant Tissue Culture and Detection of Viruses in Plant Tissues (9-13/7/2017). (Trainer).
- Implementing Workshop: Bioinformatics Training Program. Training Unit, Faculty of Agriculture, Mansoura University

Major Research Interest:

- Molecular genetics
- Cytogenetics in plants.
- Genetic Engineering

Courses Taught:

- Principals of Genetics
- Principals of Genetic Engineering
- Genetics (Advanced)
- Cytogenetics
- Genetic Techniques
- Population Genetics
- Genetic Fingerprinting
- Physiological Genetics
- Molecular Genetics
- Biochemical Genetics

Publications:

1. **Abd El-Aziz, M.H., K.A. Zaied, Soher E.A. El-Gendy and N.A. Abd El- Gawad (2017).** Evaluation of Irradiated Okra based on Agronomical Traits and RAPD Markers. Assiut Journal Agric. Sci., 48 (3): 81-96.
2. **Khaled, K. A. M., Kawther S. Kash, M. H Abd El-Aziz, and Omnia A. Badr (2017).** Evaluation of Amylase Activity Produced by Genetically Modified Bacillus Grown on Different Media Containing Sugar Crops Wastes. J.Agric.Chem.and Biotechn., Mansoura Univ. 8 (6): 173 – 176.
3. **Abd El-Aziz, M. H. and Rehab M. M. Habiba (2016).** Molecular assessment of genetic diversity in some canola homozygous lines. Egyptian Journal of Genetics and Cytology, 45: 129- 145.
4. **Abd El-Aziz, M. H.; A. N. Attia; M. S. Sultan; M. A. Badawi and A. R. M. Al-Rawi (2016).** Phenotypic and genetic diversity and their relationship to F₁ performance for yield traits in some maize inbred lines. J.Agric.Chem.and Biotechn., Mansoura Univ., 7 (3): 95- 104.
5. **Rehab M. M. Habiba; M. H. Abd El-Aziz and K. A. Amein (2016).** Evaluation of gene action for several important traits in some crosses of canola (*Brassica napus* L.) using generation mean analysis. Assiut Journal of Agric. Sci., 47 (3): 9-23.
6. **Abd El-Aziz, M. H.; S. M. Farid and Sara A. A. Elkomey (2016).** Evaluation of molecular and phenotypic diversity in relation to heterosis in some tomato lines under different climatic conditions J.Agric.Chem.and Biotechn., Mansoura Univ., 7 (5): 141-151.
7. **Elkot, A.F.A.; M. H. Abd El-Aziz; I. A. Aldrussi and M. A. El-Maghraby (2016).** Molecular identification of some stem rust and yellow rust resistance genes in Egyptian wheat and some exotic genotypes Assiut Journal of Agric. Sci., 47 (4):124-135.
8. **M. H. Abd El-Aziz; M.S. Hamada; S.Y.Mohamed and Manal M. Zaater (2016).**Evaluation of maternal effect and hybrid vigor using genetic relationships based on molecular and phenotypic distances between parents and their hybrids in okra. KMITL Sci. Tech. J. 16 (2):
9. **Aml A.El-Awady, S. Y.Mohamed, M. H. Abd El-Aziz and I. A. Aldrussi (2016).** Effect of sucrose and cold storage on senescence and anthocyanin accumulation in relation to gene expression of broccoli florets and sprout. Acta horticulturae.
10. **Hamada, M.S.; M. H. Abd El-Aziz and Manal M. Zaater (2015).** Nature of gene action for some economic traits and combining ability in several geneotypes of okra. J. Agric. Chem. and Biotechn., Mansoura Univ.6 (3): 53 - 63.
11. **Soher E. A. and M. H. Abd El-Aziz (2013).** Generation Mean Analysis of Some Economic Traits in Okra (*Abelmoschus esculentus* L. Moench) Journal of Applied Sciences, 13: 810-818.
12. **Z. M. El-Diasty; K.A. Zaied; Z.A. Kosba; Kawther S. Kash and M. H. Abd El-Aziz (2009).** Meiotic chromosomal anomalies resulting from fungal infection of Maize compared with those resulting from gamma irradiation. J. Agric. Sci. Mansoura Univ., 34 (9): 9215-9230.
13. *Geobacillus stearothermophilus* gene for alpha amylase ACCESSION LC259133. AUTHORS: Khaled,K.A., Badr,O.A. and **Abd El-Aziz,M.H.** <https://www.ncbi.nlm.nih.gov/nuccore/LC259133>