



**ASMAA MOHAMED MEGAHED ALFRAMAWY**

**ASSOCIATE PROFESSOR, NUCLEIC ACIDS RESEARCH  
DEPARTMENT, GENETIC ENGINEERING AND BIOTECHNOLOGY  
RESEARCH INSTITUTE, CITY OF SCIENTIFIC RESEARCH &  
TECHNOLOGY APPLICATIONS, ALEXANDRIA, EGYPT.**

<p><b>PERSONAL INFORMATION</b></p>	<p>Full Name: Affiliations: Address: Mobile No.: E-mail: Important links:</p>	<p><b>Asmaa Mohamed Megahed Alframawy</b> <b>Nucleic acids Research Department, Genetic Engineering and Biotechnology Research Institute, City of Scientific Research and Technology Applications, New Borg El-Arab City, Alexandria, Egypt</b> <b>El-Karama St.Bachos, Alexandria, Egypt.</b> <b>01288959302</b> <b><a href="mailto:asmaameg71@yahoo.com">asmaameg71@yahoo.com</a></b></p>
<p><b>EDUCATION</b></p>	<p><b>PhD. 2007: Faculty of Agricultural, Genetics Department, Alexandria University, Alexandria, Egypt.</b> <b>Thesis title: Molecular studies on some Egyptian date palm.</b> <b>MSc. 1999: Faculty of Agricultural, Genetics Department, Alexandria University, Alexandria, Egypt.</b> <b>Thesis title: Cytogenetic studies on sugarcane diseases.</b> <b>B.Sc. 1993: Faculty of Agricultural, Department of Genetics, Alexandria University, Alexandria, Egypt.</b></p>	
<p><b>ACTIVITIES</b></p>	<p><b><u>TRAINING COURSES &amp; WORKSHOPS</u></b> <b>•Workshop in “solari X the complete solution” City of Scientific Research and Technology Applications. Alexandria, Egypt, 8th 2017.</b> <b>•Workshop in Nutrition and therapeutic uses oh honey bee products, arid lands Cultivation Research Institute (ALCRI), City of Scientific Research and Technology Applications. Alexandria, Egypt, 24th May 2016.</b></p>	

- **Training Course in Molecular identification of plants and microbes as a step for gene bank development, Arid lands Cultivation Research Institute (ALCRI), City of Scientific Research and Technology Applications. Alexandria, Egypt, 11- 28 October, 2015.**
- **Workshop in Nanotechnology and its biological applications. Genetic Engineering and Biotechnology, Research, Institute (GEBRI), City of Scientific Research and Technology Applications. Alexandria, Egypt, 20th April, 2015.**
- **Workshop in Modern detection of mycotoxins in food and feed, Arid lands Cultivation Research Institute (ALCRI), City of Scientific Research and Technology Applications. Alexandria, Egypt, 10th February, 2015.**
- **Workshop in Data analysis and modeling using CoStat statistical software, Arid lands Cultivation Research Institute (ALCRI), City of Scientific Research and Technology Applications. Alexandria, Egypt, 1st December, 2014.**
- **Workshop in Hepatitis B Viral (HBV) in Egypt: Symptoms, Molecular Diagnosis, causes and Treatment, City of Scientific Research and Technology Applications. Alexandria, Egypt, 11th June 2014.**
- **Training Course in cultivation and development of Jatropha curcas, City of Scientific Research and Technology Applications. Alexandria, Egypt, 20 – 22 May 2013.**
- **Workshop in Bio-Fuel Production, City of Scientific Research and Technological Applications in Cooperation with YONSEI University. 3ed February 2013.**
- **Workshop in Wastewater Reuse in Agriculture, Arid Land Cultivation Research Institute, City of Scientific Research and Technology Applications, 7-8 November 2012.**
- **Workshop in Adulteration and Detection of Meat and Milk Species-Specific Using Molecular Genetic Techniques, Nucleic Acid Research Department, Genetic Engineering and Biotechnology Research Institute, City of Scientific Research and Technology Applications. 9-11 July 2012.**
- **Workshop in Fermentas Molecular Biology in Alexandria University, Faculty of Medicine, Alexandria, Egypt. 21 July 2010.**
- **Workshop in Fermentas Molecular Biology in Cairo University, Faculty of Medicine (El-Kasr El-Einy), Cairo , Egypt. 19 July 2010.**

- **Workshop in Molecular Biology: Theory and Practice. In cooperation with Faculty of Science and City of Scientific Research and Technology Applications, Alexandria, Egypt. 23-27 March 2008.**
- **Workshop in Diagnostic Medical Microbiology, Botany Department, Faculty of Science, Alexandria University, Alexandria, Egypt. 25-27 November 2007.**
- **Workshop in Molecular Immunology: Theory, Practice and Applications, Medical Technology Center, Alexandria, Egypt. 24-30 July 2006.**

**THESIS SUPERVISION:**

- **The impact of iron oxide nanoparticles on growth, oxidative stress and gene expression of zea mays using cytological and molecular techniques. M. Sc. Thesis, Department of Botany, Faculty of Science, Alexandria University, Alexandria, Egypt.**
- **Evolutionary study of key genes related to some flavonoid sub groups in family Apiaceae. Ph.D. Thesis, Department of Botany, Faculty of Science, Alexandria University, Alexandria, Egypt.**
- **Differential Genetic Responses to Allelopathic Effect of *Withania somnifera* L (Dunal) on *Triticum aestivum* L and *Phalaris minor* Retz. Ph.D. Thesis, Department Botany, Faculty of Science, Alexandria University, Alexandria, Egypt.**
- **Genetic diversity study on *Portulaca oleracea* (L.) population in Egypt. M. Sc. Thesis, Department of Botany, Faculty of Science, Alexandria University, Alexandria, Egypt.**
- **Effect of mutagens on silymarin production by in vitro cultures of *Silybum marianum* (L.) M. Sc. Thesis, Department of Botany, Faculty of Science, Tanta University, Tanta, Egypt.**
- **Molecular genetics and physiological analysis of heavy metals accumulation in *Atriplex* sp. M. Sc. Thesis, Department of Botany, Faculty of Science, Alexandria University, Alexandria, Egypt.**
- **The relationship between heat shock protein and immunity in some local chicken under heat stress. M. Sc. Thesis, Department of Animal and Poultry Production, Faculty of Agriculture, Damanhour University, Damanhour, Elbheira, Egypt.**
- **Genetic studies on *Fusarium* wilt resistance in banana (*Musa* spp.) M. Sc. Thesis, Department of Genetics, Faculty of Agriculture, Tanta University, Tanta, Egypt.**

•Isolation and characterization of peroxidases-producing Actinobacteria. M. Sc. Thesis, Department of Botany and Microbiology, Faculty of Science, Alexandria University, Alexandria, Egypt.

•Taxonomical, Cytological and Molecular Polymorphisms among *Citrullus colocynthis* (L.) Schrad. (Cucurbitaceae) Accessions from Different Habitats in Egypt. M. Sc. Thesis, Department of Botany, Faculty of Science, Alexandria University, Alexandria, Egypt.

#### CONFERENCES

□The International Conference of Biotechnology and Environment, Faculty of Agriculture, Alexandria University, Egypt, 1-3 November 2016.

□The 7th International Biennial Conference of "New Life Sciences: The Next decade" Bibliotheca Alexandrina, Alexandria, Egypt. 7-9 April 2014.

□The 1st Symposium of Advanced Material Science, City of Scientific Research and Technology Applications. Alexandria, Egypt. 14 March, 2012.

□The 2nd Euro-Med Conference of "Plant Natural Products: From Biodiversity to Bioindustry" Alexandria, Egypt 11-13 December. 2011.

□The 3rd EMBO Meeting of the European Molecular Biology, Vienna, Austria, 10–September. 2011.

□The 5th International Biennial Conference of "New Life Sciences and Future" Bibliotheca Alexandrina, Alexandria, Egypt. 11-15 April 2010.

•Member of the Council of Nucleic Acids Research Department from 2010 to 2020.

• Member of the Council of Genetic Engineering and Biotechnology Institute (GEBRI) in the 2010-2011 and 2013-2014 sessions.

Permanent member of the Council of Genetic Engineering and Biotechnology Institute (GEBRI) from 2015 to 2020.

• Member of the Technical Examination Committee of the Scientific Equipment at Genetic Engineering and Biotechnology Research Institute for the Public Bid in 2011-2012 and 2012-2013.

• A member of the committee to develop a brochure of conditions and the estimated value of the Scientific Equipment at Genetic Engineering and Biotechnology Research Institute for the Public Bid in 2012-2013.

	<p><b>Member of the Technical Decision Committee for General Tender No. 18 for Chemical Research Institute of Genetic Engineering and Biotechnology in 2012-2013.</b></p> <p><b>• Member of the Laboratory Supplies Store inventory committee (permanent and consumer) at of Genetic Engineering Institute in 2010-2011.</b></p>
	<p><b>Extra-curriculum Activities</b>  <a href="#">List your Extra-curriculum Activities here...</a>  e.g. (Leadership, Community services &amp; Volunteer work)</p>
<p><b>GRANTS &amp; AWARDS</b></p>	<p><a href="#">List your Grants here... (start with the most recent)</a>  (Grant's Name – Date – Location)</p> <hr/> <p><b>Awards</b>  <a href="#">List your Awards here... (start with the most recent)</a>  (Award's Name – Date – Location)</p>
<p><b>LIST OF PUBLICATIONS</b></p>	<p><b>1-Hematite nanoparticles influence ultrastructure, antioxidant defenses, gene expression, and alleviate cadmium toxicity in Zea mays (2020).Ola A. Youssef, Amel Tammam, Ranya F. El-Bakatoushi, Asmaa M.Alframawy, Mahmoud M. Emara &amp; Lamia M. El-Sadek. Journal of Plant Interactions, Vol. (15), No. (1): 54–74.</b></p> <p><b>2-Hassan, M. I., Soliman, F.N.K., Elkomy, A.E., Elghalid, O.A., Asmaa M. Alframawy and sheble, M.K. (2018). The Effect of In-Ovo injection Of Some Nutrients On product Performance and Some Physiological Traits of Hubbard Broiler Chicks. Egypt. Poultry Science Vol. (38) (IV):923-941.</b></p> <p><b>3-Asmaa Elframawy, Ranya El-Bakatoushi, (2017). Genetic divergence analysis among barley genotypes using inter-retrotransposon amplified polymorphism markers (IRAP). Indian J. Agric. Res., 51(6) : 580-585.</b></p> <p><b>4-Asmaa Alframawy, Hisham Deif, Ranya El-Bakatoushi, (2016). Genetic Variation among Fragmented Populations of Atriplex halimus. L Using Start Codon Targeted (SCoT) and ITS1-5.8S Region Markers. American Journal of Molecular Biology, 6,10: 110-115.</b></p> <p><b>5-Manal M Abdel-Rahman, Asmaa El-Elframawy, Ebrahim Mussa (2016). Identification of Differentially Expressed Genes Induced By poly Ethylene Glycol</b></p>

**Maize (*Zea mays* L.) Callus Quality Improvement. Asian Jr. of Microbiol. Biotech. E Sci. Vol. 18, No (4):859-866.**

**6-Ranya El-Bakatoushi, Asmaa Mohamed Alframawy (2016).Diversity in Growth and Expression Pattern of POHK1 and POVHA Transporter Gene Under NaCl Stress in *Portulaca olerilcea* L. TAXA. GENETICA, Vol. 48, No.1 233-248.**

**7-Ranya El-Bakatoushi, Asmaa Mohamed Alframawy, Amel Tamмам. Dhalia Youssef, Laila El-Sadek (2015). Molecular and Physiological Mechanisms of Heavy Metal Tolerance in *Atriplex halimus*. International journal of phytoremediation 17:9, 789-800.**

**8-Alaa E. Elkomy, Asmaa M. Alfarmawy and Hanan H. Ghanem (2014). Genetic evaluation of the impact of mating between commercial laying hens (LSL) with some local Egyptian strains chicken and its effects on some productive and physiological parameters.International Journal of Agriculture Research. Vol.9 No.6,271-283.**

**9-Gehan G. Mostafa, Asmaa M. Alfrmawy, Hoda El-Mokadem (2014). Induction of Mutations in *Celosia argentea* using Dimethyl Sulphate and Identification of genetic Variation by ISSR Markers. International Journal of Plant Breeding and Genetics 8 (2): 44-564.**

**10-Ranya EL-Bakatoushi, Asmaa Mohamed Alframawy, Mona Samer, Laila El-Sadek, William Botros (2013). Evolution of the *Portulaca olerilcea* L. aggregate in Egypt at molecular and phenotypic levels revealed by morphology, inter-simple sequence repeat (ISSR) and 18S rDNA gene sequence markers. Flora 208: 464-477.**

**11-Elsayed E. Hafez, Asmaa Meghad, Hassan A. Abdelsalam and Seham A. Ahmed (2013). Biological and Molecular Studies on *Trichoderma Viride*-Plant Pathogenic Fungal Interactions. World Applied Sciences Journal 21 (12): 1821-1828.**

**12-Al-Askar AA., Hafez EE., Kabeil SA., Meghad A. (2013). Bioproduction of silver nano particles by *Fusarium oxysporum* and their antimicrobial activity against soil plant pathogenic bacteria and fungi. Life Science Journal 10 (3): 2470-2475.**

**13-Ashraf A. Khalil, Ashgan E. Abou-Gabal, Asmaa M. Elfaramawy, Ahmed E. Khalil and Amira A. Abdellatef (2013). Lactic Acid Bacteria as Antimycotic and antimycotoxin agents against toxigenic *Fusarium* Species associated to Maize Grains stored in Egyptian markets. Journal of Pure and Applied Microbiology. 7: 93-105.**

**14-S. Abdel-Razzak, A. M. Alfrmawy, H. M. Ibrahim and Amr. A. El-Han (2012).Genetic Diversity in Faba Bean (Vicia faba L.) Using Inter-Simple Sequence Repeat (ISSR) Markers and Protein Analysis. Life Science Journal. 9 (2): 497-503.**

**15-Gehan G. Mostafa, Asmaa M. Alfrmawy (2011). RAPD analysis for detection and fingerprinting of sunflower mutants induced by Sodium Azide. International Journal of plant breeding and Genetics 5 (3):277-285.**

**16-Azza A. Tawfik, Gehan G. Mostafa, Asmaa M. Alfrmawy, M. Gad (2011). Evaluation of Genetic Variation in Mutants of Senna occidentalis using protein Pattern and RAPD Markers. Biotechnology, 10(1): 94-100.**

**17-Azza Makhlof and Assma Megahd (2000).Application of Somaclonal Variation and Smut Resistance Breeding in Sugar Cane Plants. Adv. Agric. Res. 5 (2): 1345-1358.**