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## CURRICULUM VITAE



### PERSONAL INFORMATION

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Name	ASMAA MOHAMMED ALY ABUSHADY		
Nationality	Egyptian		
Mailing Address	Nile University, Biotechnology School, 26 <sup>th</sup> of July Corridor, Sheikh Zayed City, Giza, 12588, Egypt.		
Telephone	Office: +(202)38541760	Mobile: +201223351106	Fax: +(202)38541715
E-mail	<a href="mailto:aabushady@nu.edu.eg">aabushady@nu.edu.eg</a> , <a href="mailto:abushadyasmaa@agr.asu.edu.eg">abushadyasmaa@agr.asu.edu.eg</a>		
Date of birth	11/11/1978, Cairo, Egypt		
Marital Status	Married		

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### EMPLOYMENT

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- Vice Dean, Biotechnology School, Nile University, Giza, Egypt, 2019 till present.
  - Program Director, Applied Biotechnology, Biotechnology School, Nile University, Giza, Egypt, 2019 till present.
  - Program Director, for the professional plant cell and tissue culture diploma, Biotechnology School, Nile University, Giza, Egypt, 2023 till present.
  - Professor, Department of Genetics, Faculty of Agriculture, Ain Shams University, Cairo, Egypt, 2024 to present.
  - PI for PRIMA Project “INTElligent, ACTive MicroBIOme-based, biodegradable PACKaging for Mediterranean food Acronym: INTACTBioPack” 2024-2027
  - Co-PI for European project 617303-EPP-1-2020-1-EG-EPPKA2-CBHE-JP “Online pharmacogenomics and personalized medicine postgraduate program (OPPM) Erasmus +KA2 “ 2021: 2024.
  - CO-PI for Business Incubator for Biotechnology (BIB) between Nile University and Ain Shams University, <https://bib-asu.com/>
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### EDUCATION

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| Title of qualification | <ul style="list-style-type: none"><li>• Ph.D in Genetics (2009)</li></ul> |
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Name and type of organisation providing education	<ul style="list-style-type: none"> <li>• Molecular Genetic Studies on Some Fecundity Genes in some Egyptian Sheep Breeds"</li> <li>• Faculty of Agriculture, Ain Shams University. Cairo, Egypt.</li> </ul>
Title of qualification	<ul style="list-style-type: none"> <li>• Master in Genetics (2004)</li> </ul>
Name and type of organisation providing education	<ul style="list-style-type: none"> <li>• Molecular Genetic Markers in the Identification and Improvement of Goat Breeds in Egypt"</li> <li>• Faculty of Agriculture, Ain Shams University. Cairo, Egypt.</li> </ul>
Title of qualification	<ul style="list-style-type: none"> <li>• B.Sc. in Agricultural Science, major "Genetics" (1999) Excellent, 1<sup>st</sup> Honor degree</li> </ul>
Name and type of organisation providing education	<ul style="list-style-type: none"> <li>• Department of Genetics, Faculty of Agriculture, Ain Shams University (Ranked First on the Department)</li> </ul>

## WORK EXPERIENCE

Dates	<ul style="list-style-type: none"> <li>• 2017-2024</li> </ul>
Occupation	<ul style="list-style-type: none"> <li>• Associate Professor of Genetics</li> <li>• Biotechnology School, Nile University, Giza, Egypt.</li> </ul>
Dates	<ul style="list-style-type: none"> <li>• 2019</li> </ul>
Occupation	<ul style="list-style-type: none"> <li>• Visiting Professor in University of Perugia (Universita Degli Studi di Perugia) Department of Agriculture, Food and Environmental Sciences, Perugia, Italy, <a href="https://www.unipg.it/en/2019">https://www.unipg.it/en/2019</a></li> </ul>
Dates	<ul style="list-style-type: none"> <li>• 2017- till now</li> </ul>
Occupation	<ul style="list-style-type: none"> <li>• Associate - Professor of Genetics</li> <li>• Director of Ain Shams Center for Genetic Engineering and Biotechnology "ACGEB "2017-2018".</li> <li>• Delegated to teach a Biostatistics course to both Biotechnology and Nanotechnology programmers- Faculty of Science-Ain shams university.2018/2019</li> </ul>
Main activities and responsibilities	<ul style="list-style-type: none"> <li>• Literate in Population and Biochemical Genetics. Cytology, Cytogenetic, Biometrical Genetics, Animal Biotechnology, Principles of Quantitative Genetics. " I was responsible for teaching the lectures "</li> <li>• Supervising graduate and post graduate students.</li> </ul>
Name of employer	<ul style="list-style-type: none"> <li>• Department of Genetics, Faculty of Agriculture, Ain Shams University. Cairo, Egypt.</li> </ul>
Dates	<ul style="list-style-type: none"> <li>• 2010 -2017</li> </ul>

Occupation	<ul style="list-style-type: none"> <li>• Assistant Professor of Genetics</li> </ul>
Main activities and responsibilities	<ul style="list-style-type: none"> <li>• Literate in Principles of Genetics, Molecular, Population and Biochemical Genetics. Cytology, Cytogenetic, Biometrical Genetics, Animal Biotechnology, Human Genetics, Principles of Quantitative Genetics. " I was responsible for setting up the labs, teaching the lectures and grading all assignments, including assigning the final grade"</li> <li>• Supervising undergraduate and graduate students.</li> </ul>
Name of employer	<ul style="list-style-type: none"> <li>• Department of Genetics, Faculty of Agriculture, Ain Shams University. Cairo, Egypt.</li> </ul>
Dates	<ul style="list-style-type: none"> <li>• 2004-2009</li> </ul>
Occupation	<ul style="list-style-type: none"> <li>• Teaching Assistant of Genetic Department</li> </ul>
Main activities and responsibilities	<ul style="list-style-type: none"> <li>• Teaching practical courses in genetics (Molecular, Cytology and Cytogenetic)</li> <li>• Trainer in a long-term bench training for Arab students from Sudan, Syria, Libya and Algeria in Biochemical and Molecular Biology techniques, in the laboratory of ACGB-FAG.</li> <li>• Supervising undergraduate students.</li> </ul>
Name of employer	<ul style="list-style-type: none"> <li>• Department of Genetics, Faculty of Agriculture, Ain Shams University. Cairo, Egypt.</li> </ul>
Dates	<ul style="list-style-type: none"> <li>• 2000-2004</li> </ul>
Occupation	<ul style="list-style-type: none"> <li>• Demonstrator of Genetic Department</li> </ul>
Main activities and responsibilities	<ul style="list-style-type: none"> <li>• Teaching practical courses in genetics (Molecular, Cytology and Cytogenetic).</li> <li>• Trainer in training course entitled “Conservation of Genetic Resources”, Organized by Ain shams Center for Genetic Engineering and Biotechnology, Branch of Faculty of Agriculture (ACGB-FAG) and held at the laboratories of the Center (10-22/6/2000).</li> <li>• Trainer in training course entitled “Conservation of Genetic Resources”, Organized by (ACGB-FAG) and held at the laboratories of the Center (19-31/10/2002).</li> </ul>
Name of employer	<ul style="list-style-type: none"> <li>• Department of Genetics, Faculty of Agriculture, Ain Shams University. Cairo, Egypt.</li> </ul>

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#### VISITED RESEARCH GROUPS AND LABORATORIES

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- Visiting Professor in University of Perugia (Universita Degli Studi di Perugia) Department of Agriculture, Food and Environmental Sciences, Perugia, Italy. <https://www.unipg.it/en/2019>
  - Animal Genetics Department, Faculty of Veterinary, Cordoba University, SPAIN.
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<https://sites.google.com/site/cattleconikta/people/>

- International Center for Agricultural Research in the Dry Areas (ICARDA) Aleppo, Syria.

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### **Workshop, Conference & Training**

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- The first Ain Shams Conference of Biotechnology, 22-24/12/2001, Guest House, Ain Shams Univ., Cairo, Egypt.
- The 2<sup>nd</sup> Conference of the African Genome Initiative Genomics and Society: The Future Health of Africa, Giza, March 26-29, 2004.
- **Plant genomics: from the gene to the product**, Egyptian-German workshop, 8-13 April 2002, GEBRI (Genetic Engineering and Biotechnology Research Institute), Minufiya university, Sadat City.
- **Laboratory Quality Assurance workshop**, 15-11-2007, MUST (Misr University for Science & Technology), College of Biotechnology, 6<sup>th</sup> October City, Egypt.
- Training Course for "**Molecular Characterization of Small Ruminant Breeds**" International Center for Agricultural Research in the Dry Areas (ICARDA), Specialized Training Course "IAEA / ILRI / ICARDA", 1-12 April 2007 ICARDA, Aleppo, Syria.
- **Molecular Diagnosis of Disease workshop**, 27:31-1-2008, MUST (Misr University for Science & Technology), College of Biotechnology, 6<sup>th</sup> October City, Egypt.
- **System Biology& its Bioinformatics Tools Workshop**, 12&15-12-2011, faculty of pharmacy, Cairo university.
- Training course for "**Conservation and Vitalization of Cattle Genetic Recourses**" Ain Shams University, Faculty of Agriculture, Animal Production Department, in the framework of FP7-IRSES project " Improving, transference and Applicability of Knowledge in conservation and characterization technologies in cattle breeds from Egypt and the Iberian Peninsula " 27-6:4-7-2012
- Training course for '**Molecular Markers Applied to Livestock Conservation**'. Faculty of Agriculture, Ain Shams University & Animal production Research Institute (APRI), in the framework of FP7-IRSES project "Improving, transference and Applicability of Knowledge in conservation and characterization technologies in cattle breeds from Egypt and the Iberian Peninsula "September 9-20, 2012.
- Short Course, **Next Generation Sequencing for Beginners, and Sponsored by CATTLECON-IKTA Marie curie Action**, Cordoba University, Spain. 10<sup>th</sup> December 2012, Spain.
- **Conference** "BioVision Alexandria 2014, <http://www.bibalex.org/BVA2014/>
- **Conference & Forum** "BioVision Lyon, France 2015, <http://biovision.inviteo.fr/>
- Bioethics, Biosafety and Biosecurity in Microbiology and Genetics Research Workshop Jan. 27<sup>th</sup> - 31<sup>th</sup>, 2015 as a trainer. Sponsored by National Academic of Sciences, TWAS, NIA, ACGEB, ASU.
- Micropropagation of Date Palm Using tissue culture 22-24 March, 2016 as a trainer.

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- **Conference** "BioVision Alexandria 2016, <http://www.bibalex.org/BVA2016/>
  - The Thirteenth Conference of Agricultural Development Research **3-8/3/ 2017**.
  - One common seminar titled” **Egypt Between History and Sciences**” 3/4/2019, as a lecturer for Biotechnology & Animal Science students, Perugia University, Italy.
  - Two seminars titled “**The mixed concepts about the relationship between Molecular, Quantitative & Population Genetics** 5/4/2019 and 12/4/2019 as a lecturer for Animal Sci & Animal Breeding students, Perugia University, Italy.
  - The 13<sup>th</sup> Breast-Gynecological & immunooncology international cancer conference 21-22 January.
  - EON-XR Educator Training - Nile University Egypt 27-29/Apr.2021.
  - ABET Applied and Natural Science Accreditation Virtual Townhall – MENA Region 13 September 2021.
  - **NAQAAE courses** for Quality March 14<sup>th</sup>, 2021.
  - **NAQAAE courses** for Quality Sunday September 19<sup>th</sup>, till September 26<sup>th</sup>, 2021.
  - Biodiversity Genomics 2021 Virtual Even Organizers during the dates of 27th September - 1st October 2021.
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## SCHOLARSHIPS

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- Scholarship from specific call for academic staff mobility in entrance from Mediterranean countries, at the University of Messina (UniME), Sicily, Italy. [www.visiting@unime.it](http://www.visiting@unime.it).
  - Scholarship from specific call for mobility in entrance from Mediterranean countries, at the university of Perugia (universita degli Studi di Perugia) Department of Agriculture, Food and Environmental Sciences, Perugia, Italy. <https://www.unipg.it/en/> 2019
  - Scholarship from FP7-IRSES "Marie curie Action" in Cordoba University, Spain. 2012-2013. <https://sites.google.com/site/cattleconikta/people/>
  - Scholarship from Arab Students Exchange program, to attend training course for "Molecular Characterization of Small Ruminant Breeds” by International Center for Agricultural Research in the Dry Areas (ICARDA), Specialized Training Course "IAEA / ILRI / ICARDA", 1-12 April 2007 ICARDA, Aleppo, Syria.
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## MEMBERSHIP OF RESEARCH PROJECTS

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- Online pharmacogenomics and personalized medicine postgraduate program (OPPM) Erasmus +KA2 2021 three years.
  - "Genotyping of Camels (Camelus dromedarius) Trypanosomiasis in Egypt" Egyptian-Czech research projects-2018 founded by Science and Technology Development Fund "STDF three years.
  - "Utilization of local Genetic Diversity to understand and exploit Barley Adaptation to Harsh
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Environmental and for pre-breeding "GENDIBAR- CREA-GB" PRIMA-2018, three years

- "Improvement of conditions planting and caring for the date palm and the production of dates in Egypt " 2015-2018 founded by Academy of Scientific Research and Technology.
- Bio Goat: Latin American Goat Biodiversity Project <http://biogoat.jimdo.com/investigadores-researchers/>, 2013
- FP7- IRSES Project Partner with Cordoba University, Spain and INRB Institute, Portugal. "Improving, transference and application of knowledge in conservation and characterization technologies in cattle breed from Egypt and the Iberian Peninsula" <https://sites.google.com/site/cattleconikta/people>, 2013.
- "Molecular Genetic Characterization and Identification of Camel Herds in Egypt" Funded by the Academy of Scientific Research and Technology of Egypt (2004-2007).
- ASRT-230 (Genetic Diversity of Indigenous Breeds of Sheep & Goat) Funded by the Academy of Scientific Research and Technology of Egypt (1998- 2001).

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## **AGREEMENTS**

- Scientific Co-operation (Material Transfer Agreement) between Department of Genetics, Faculty of Agriculture, Ain Shams University. And the Friedrich-Loeffler-Institute – Federal Research Institute for Animal Health, Südufer 10, 17493 Greifswald – Insel Riems, represented by the Institute of Farm Animal Genetics (FLI-ING), Höltystrasse 10, 31535 Neustadt-Mariensee
- Scientific Co-operation (Material Transfer Agreement) between Department of Genetics, Faculty of Agriculture, Ain Shams University. And Department of Biosciences, Biotechnologies and Biopharmaceutics University of Bari "Aldo Moro", Italy.

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## **LANGUAGES**

- Arabic (Mother tongue)
- English (V-Good)

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## **TECHNICAL SKILLS**

- Excellent laboratory skills in Molecular Genetics and Biology (tools and applications).
- Excellent Experience in statistical analysis.

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## **PUBLICATIONS**

- Alia A.El-Seoudy, Nermin M. Abdel Gauad , Asmaa M. Abushady and A. Z. E. Abdelsalam ( January 2005). Biochemical and Molecular Genetic Characterization of Some Egyptian Goat Breeds, Egyptian Journal of Genetics and Cytology, 34 (1): 63-79
- Alia A.El-Seoudy, Nermin M. Abdel Gauad , Asmaa M. Abushady and A. Z. E. Abdelsalam , (July 2011). Detection of some Fecundity genes in some Egyptian sheep breeds, Egyptian Journal of Genetics and Cytology, 40(2):315-335.
- Frag,I.M., Abd El-Aziz, K,B.,Ahmed, E.S., Abdelsalam, A.Z.E., Soliman,Kh. A., Darwish, A.M.M. and Asmaa M.Abushady (2013). Polymorphism of BMPR-1B,BMP-15 and Beta casein gene in two of Egyptian domestic goats, Journal of applied Sciences Research,9(4):3199-3211.

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- Samar, H.Baloza, S.A.Hemeda, G.A.Sosa and Asmaa M. Abushady (2014), Assessment of Genetic Variability among Fayoumi, Rhode island red and their Crosses using RAPD-PCR, Benha Veterinary Medical Journal,-25(2):232-239.
  - Maha M. Kamal, Ghada H El-Nady, Asmaa M. Abushady, M.F. M. Khalil. Association of Dopamine D4 Receptor Gene Variants with Autism (2015), International Journal of Research in Medical Sciences Oct; 3(10):2658-2663.
  - Hussein Sabita, Arwa S. Abdel-Sattar, Shimaa E. Abdel-Ghany, Asmaa M. Abushady, Osama A. M. Said, Cyclophosphamide with Adjuvant Chemotherapeutic Drugs Induces Epigenetic Changes in Hepatocellular Carcinoma Cells. Cancer Biology 2015;5(4)
  - Amparo Martínez, Arianna Manunza, 1Juan Vicente Delgado, Vincenzo Landi, Ayotunde Adebambo, Muritala Ismaila, Juan Capote, Mabrouk El Ouni, Ahmed Elbeltagy, Asmaa M. Abushady, Salah Galal, Ainhoa Ferrando, Mariano Gómez, Agueda Pons, Bouabid Badaoui, Jordi Jordana, Oriol Vidal, Marcel Amills. Detecting the Existence of Gene Flow Between Spanish and North African Goats Through a Coalescent Approach (Scientific Reports 6, Article number: 38935 (2016).
  - Hend Abo-Elazm, Hussein Sabita, Asmaa M. Abushady, Hassan.A.EL-Metwaly Abdelsalam A.Z.E, Alia A. M. El-Seoudy ,Variation in Gene Expression of Leptin and Insulin Like growth factor (IGF) Genes in response to seasonal differences in Camel (Egyptian Journal of Genetics and Cytology,46:61-73, January,2017 URL:www.esg.net.eg
  - Cherifi Youcef Amine1, Gaouar Suheil Bechir Semir, Guastamacchia Rosangela, El-Bahrawy Khalid Ahmed, Asmaa M. Abushady, Sharaf Abdoallah Aboelnasr,Harek Derradji, Lacalandra Giovanni Michele, Saïdi-Mehtar Nadhira, Ciani Elena, Weak Genetic Structure in Northern African Dromedary Camels Reflects their unique Evolutionary History (PLoS ONE 01/2017; 12(1):e0168672.
  - M. Soltan, S. Farrag, A. Enab, E. Abou-Elwesa, S. El-Safy, A. Abushady. Sinai and Norfa chicken diversity revealed by microsatellite markers. (South African Journal of Animal Science 2018, 48 (No. 2)) URL: www.sasas.co.za
  - Shaimaa A Abdelhady, Abdollah A Sharaf,Aly Z.E. Abdelsalam ,Khaled A. Soliman and Asmaa M.Abushady. Phylogeny Validation for some Egyptian Brassicaceae Endemic Species (Arab Univ.J. Agric.Sci.,29(1)2021) website: <http://ajs.journals.ekb.eg> .
  - Naglaa A. Ali , Ahmed E. Khalid , Asmaa M. Abushady , Bothaina M. Weheda, Amera F. Zaitoun and Houssam E. Elwakil. Genetical and morphological studies on Ficus trees. Journal of the Advances in Agricultural Research (JAAR) Accepted 3/2021 <https://jalexu.journals.ekb.eg> .
  - Houssam El-Din M.F. El-Wakil , Aly Z. Abdelsalam, Hesham M. Aly, Asmaa M. Abushady, Samar M.A. Rabie1, Mohamed E. Hasan and Nader R. Abdelsalam, Plant genetic barcoding of some Legume tree species grown in Egypt. Middle East Journal of Agriculture Research DOI: 10.36632/mejar/2021.10.1.13 [www.curreweb.com](http://www.curreweb.com).
  - Ahmed Ramadan, Osama A. M. Said and Asmaa M. Abushady. Salinity stress revealed three types of RNA editing in mitochondrial nad7 gene of wild barley. Theor. Exp. Plant Physiol, Accepted: 24 September 2021.. <https://doi.org/10.1007/s40626-021-00225-x>.
  - Elsayed Naeem,Taher Abd El-Megeed,Yasmin Emadeldin,Asmaa Abushady, Mohamed Abdelrahman.
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Injected anhydrous ammonia is more effective than broadcast urea as a source of nitrogen for rice. *Agronomy* 2022, 12(4), 942; <https://doi.org/10.3390/agronomy12040942>.

- Sarah G. Ali, Alia A El-Seoudy , A.M. Saeed , Asmaa M. Abushady, Molecular Characterization Of Some Candidate Genes In Pure Egyptian Buffaloes And Crossbred Of Italian Buffaloes. *Egyptian J. Anim. Prod.* (2022) 59(1):9-18 10.21608/EJAP.2022.114631.1032
- Francesco Perini, Irene Cardinali, Simone Ceccobelli , Anthony Gruppetta , Carlos San José , Mario Cosenza, Nicolò Musso , Amparo Martínez , Asmaa M. Abushady, Luis V. Monteagudo, Luigi Liotta, Hovirag Lancioni, George Attard, Emiliano Lasagna., Phylogeographic and population genetic structure of houndlike dog breeds native of the Mediterranean Basin, *Veterinary Science* Volume 155, February 2023, Pages 103-114. <https://doi.org/10.1016/j.rvsc.2023.01.010> .
- Sajid Fiaz, Munazza Ijaz, Hayat Ali Alafari, Muhammad Iqbal, Mahmood – ur-Rahman Asari, Dalal S Alshaya, Hafiz Muhammad Ahmed, Muhammad Zubair, Pia Muhammad Adnan Razani, Javed Iqbal Asmaa M. Abushady and Kotb Attia., Citric Acid Assisted Phytoextraction of Nickle from Soli and Tolerance for Helps to Tolerate Oxidative Stress and Expression Profile of NRAMP Genes In Sunflower at Different Growth Stages. *Front. Plant Sci.*, 01 December 2022. <https://doi.org/10.3389/fpls.2022.1072671>.
- Hafiz Muhammad Ahmad, Hayat Ali Alafari, Dalal S. Alshaya, Sidra Toor, Munazza Ijaz , Nouman Rasool , KOTB A. Attia, Madiha Zaynab, Saira Azmat , Asmaa M. Abushady, Yinglong Chen, Sajid Fiaz. Genome-wide comparison and identification of myosin gene 2 family in *Arabidopsis thaliana* and *Helianthus annuus*., *Heliyon*., ISSN: 2405-8440. <https://doi.org/10.1016/j.heliyon.2022.e12070>.
- Ahmed M Darwish, Abdoallah Sharaf, Semir Bechir Suheil Gaouar, Neama I Ali, Tamer H Abd El-Aziz, Asmaa M Abushady, Zoubeyda Kaouadji, Othman E Othman, Miroslav Obornik. Biochemical and genotyping analyses of camels (*Camelus dromedaries*) trypanosomiasis in North Africa, *Scientific Reports of Nature*, Volume 13, Issue 1, Article number: 7176 (2023) <https://doi.org/10.1038/s41598-023-34086-y>.
- Hussein Sabit, Areej Kassab , Donia Alaa, Shaza Mohamed , Shaimaa Abdel-Ghany , Mohamed Mansy , Osama A. Said , Mona A. Khalifa , Halah Hafiz, Asmaa M. Abushady, The Effect of Probiotic Supplementation on Gut Microbiota 2 and their Metabolic Potential in Psychiatric Patients, *Curr Issues Mol Biol.* 2023 May; 45(5): 4080–4099, doi: 10.3390/cimb45050260.
- Muhammad Umar Rafique, Nazia Nahid, Farrukh Azeem, Sajid Fiaz , Kotb A. Attia , Roshan Zameer , Muhammad Waqas , Muhammad Tahir ul Qamar , Asmaa M. Abushady., Genome wide analysis for the identification and characterization of the Superoxide-dismutase gene family in *Rosa chinensis* ascertains the role of salinity-responsive RcMSD1 protein and its interaction with peroxyl radical. *Plant Stress*, Volume 10, December 2023, 100218 <https://doi.org/10.1016/j.stress.2023.100218>
- Iqbal, Zubair; Iqbal, Muhammad Shahid; Alamery, Salman; Shehzad, Khurram; Zaman, Qamar U; Attacha, Safira; Sarfraz, Zareen; Nazir, Mian Faisal; Hu, Daowu; Zafar, Muhammad Mubashar; Aqib Zeb, Shoupuhe, Tahir Mahmood, Sajid Fiaz, Alia Gul, Asmaa M. Abushady, Itoh Kimiko, Kotb A. Attia, Zhaoe Pan & Xiongming Du., Genome-wide association study reveals novel genes on different chromosomal positions regulating boll weight in upland cotton (*Gossypium hirsutum* L.) *Genetic Resources and Crop Evolution*, <https://scholar.google.com/scholar?oi=bibs&cluster=18031918730955754017&btnI=1&hl=en>
- Rahim, Amna Abdul; Uzair, Muhammad; Rehman, Nazia; Fiaz, Sajid; Attia, Kotb A; Abushady, Asmaa



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M; Yang, Seung Hwan; Khan, Muhammad Ramzan; CRISPR/Cas9 mediated TaRPK1 root architecture gene mutagenesis confers enhanced wheat yield, Journal of King Saud University-Science 2024 [https://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=fMQ1K3gAAAAJ&cstart=20&pagesize=80&citation\\_for\\_view=fMQ1K3gAAAAJ:aqlVlk](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=fMQ1K3gAAAAJ&cstart=20&pagesize=80&citation_for_view=fMQ1K3gAAAAJ:aqlVlk)

- Parveen, Kauser; Saddique, Muhammad Abu Bakar; Waqas, Muhammad Umair; Attia, Kotb A; Rizwan, Muhammad; Abushady, Asmaa M; Shamsi, Imran Haider; Genome-wide analysis and expression divergence of protein disulfide isomerase (PDI) gene family members in chickpea (*Cicer arietinum*) under salt stress, Functional Plant Biology 2024 [https://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=fMQ1K3gAAAAJ&cstart=20&pagesize=80&citation\\_for\\_view=fMQ1K3gAAAAJ:4DMP91E08xMC](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=fMQ1K3gAAAAJ&cstart=20&pagesize=80&citation_for_view=fMQ1K3gAAAAJ:4DMP91E08xMC).
- Tayyaba Shaheen , Abdul Rehman , Amany H A Abeed , Muhammad Waqas , Asad Aslam , Farrukh Azeem , Muhammad Qasim , Muhammad Afzal, Muhammad Farooq Azhar , Kotb A Attia , Asmaa M Abushady , Sezai Ercisli , Nazia Nahid , Identification and expression analysis of SBP-Box-like (SPL) gene family disclose their contribution to abiotic stress and flower budding in pigeon pea (*Cajanus cajan*) Functional Plant Biology 2024, Funct Plant Biol 2024 Feb;51:FP23237. doi: 10.1071/FP23237.
- Muhammad Jawad Umer, Raufa Batool, Mengying Yang, Jie Zheng, Mian Faisal Nazir, Heng Wang, Xiaoyan Cai, Yuqing Hou, Yanchao Xu, Yuhong Wang, Ji Liu, Kotb A Attia, Asmaa M Abushady, Fang Liu, Zhongli Zhou; Unravelling the Functional Role of GthGAPC2 in Cotton's Defense Against *Verticillium dahliae* through Proteome, Physiologia Plantarum [https://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=fMQ1K3gAAAAJ&cstart=20&pagesize=80&citation\\_for\\_view=fMQ1K3gAAAAJ:mVmsd5A6BfQC](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=fMQ1K3gAAAAJ&cstart=20&pagesize=80&citation_for_view=fMQ1K3gAAAAJ:mVmsd5A6BfQC) 2024.
- Iqbal, Muhammad Sarfaraz; Duan, Xiaolu; Ali, Habib; Kaoqing, Peng; Liu, Zezehun; Sardar, Nimra; Alsubki, Roua A; Attia, Kotb A; Abushady, Asmaa M; Gu, Di; Identification of TIMPs signatures in Randall plaque from single-cell RNA sequencing (scRNA-Seq) analysis, Functional & Integrative Genomics 2024 [https://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=fMQ1K3gAAAAJ&citation\\_for\\_view=fMQ1K3gAAAAJ:9ZIFYXVOiuMC](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=fMQ1K3gAAAAJ&citation_for_view=fMQ1K3gAAAAJ:9ZIFYXVOiuMC) .
- Sumairan Bi Bi , Iqra Elahi, Nimra Sardar, Omer Ghaffar , Habib Ali , Roua A. Alsubki, Muhammad Sarfaraz Iqbal , Kotb A. Attia , Asmaa M. Abushady , Exploring non-cytotoxic, antioxidant, and anti-inflammatory properties of selenium nanoparticles synthesized from *Gymnema sylvestre* and *Cinnamomum cassia* extracts for herbal nanomedicine, Microbial Pathogenesis <https://doi.org/10.1016/j.micpath.2024.106670>
- Aimen Shafique, Xing Li, Sajid Fiaz, Kotb A. Attia, Roua A. Alsubki, Asim Shahzad, Farrukh Azeem, Asmaa M. Abushady and Hongxing Xu Molecular characterization of REM genes in *Cajanus cajan* suggests the role of CcREM1 and CcREM6 like genes in heat stress response., BMC Plant Biology (2025) 25:205, <https://doi.org/10.1186/s12870-025-06059-y> .
- Muhammad UZAIR, Rabia KALSOOM, Kotb A. ATTIA, Irfan ALI, Tanveer HUSSAIN, Asmaa M. ABUSHADY, Haider ALI, Sajid FIAZ, Saima JAMEEL, Muhammad Usman HAMEED, Rashid IQBAL, Muhammad Ramzan KHAN, Understanding the role of thermal stress in modulating growth,

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- Analysis of the current situation of pharmacogenomics in terms of educational and healthcare needs in Egypt and Lebanon <https://doi.org/10.1080/14622416.2024.2403967>, [Pharmacogenomics](#) Volume 25, 2024 - [Issue 10-11](#)
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## AWARDS

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- The top three at the Nile University level in terms of international publication rate in high impacted scientific journals 2023-2024.
  - Ain Shams University International Publication Award 2017.
  - College Student of the Year Award, Ain Shames University, Egypt (1999)
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## MEMBERSHIPS

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- Director of Ain shams Center for Genetic Engineering and Biotechnology, 2017 : 2018
  - Member of Board Administration of Ain shams Center for Genetic Engineering and Biotechnology, 2013 till 2017.
  - Bio Goat: Latin American Goat Biodiversity Project <http://biogoat.jimdo.com/investigadores-researchers/,2013> Till Now.
  - The SYNBREED chicken diversity consortium <https://bmccgenomics.biomedcentral.com/track/pdf/10.1186/s12864-019-5727-9>
  - National Committee of Genetics, **Academy of Scientific Research** and Technology.
  - Egyptian Society of Genetics.
  - Jury committee in 11<sup>th</sup> under graduate's research forum UGRF 1<sup>st</sup> Egyptian Junior Researcher Competition 6-February 2021
  - Jury committee in 12<sup>th</sup> under graduate's research forum UGRF 2<sup>nd</sup> Egyptian Junior Researcher Competition 7-August-2021.
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## Scientific Supervision

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• **Supervising on M.Sc. and Ph.D. theses in the following Departments.**

- Faculty of Biotechnology, MUST University.
- Department of Genetics, Faculty of Agriculture, Ain Shams University.
- Department of Poultry Production, Faculty of Agriculture, Ain Shams University.
- Department of Plant Protection, Faculty of Agriculture, Ain Shams University.
- Animal Production Research Institute (APRI).
- Department of Genetics, Faculty of Agriculture, Alexandria University.

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**Public profiles**

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NU Profile	<a href="https://nu.edu.eg/academic-staff/dr-asmaa-abushady">https://nu.edu.eg/academic-staff/dr-asmaa-abushady</a>
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LinkedIn:	<a href="https://www.linkedin.com/in/asmaa-abushady-15a45299/">https://www.linkedin.com/in/asmaa-abushady-15a45299/</a>
Google Scholar:	<a href="https://scholar.google.com/citations?user=fMQ1K3gAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=fMQ1K3gAAAAJ&amp;hl=en</a>
Scopus Author ID:	<a href="https://www.scopus.com/authid/detail.uri?authorId=57192379540">https://www.scopus.com/authid/detail.uri?authorId=57192379540</a>
ResearchGate	<a href="https://www.researchgate.net/profile/Asmaa-Abushady-2">https://www.researchgate.net/profile/Asmaa-Abushady-2</a>

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