

CURRICULUM VITAE

BIOGRAPHY & RESEARCH INTEREST

During the PhD period in Murcia university, the thesis was related to molecular ecology and population genetics fields focusing on the climate change adaptation processes in mosses using *Funaria hygrometrica* as a model of study. Many remarkable observations related to its extranuclear genes were highlighted, that directed my interest toward the evolution of extranuclear genomics.

Back to Ain Shams University, being appointed as assistant professor and established the Molecular Ecology and Evolution laboratory, working on several topics related to Macro & Micro biodiversity (e.g., DNA barcoding) and evolutionary genetics (e.g., molecular systematics and phylogeography). Simultaneously, metabarcoding analysis was given the priority for application in detecting of microbial biodiversity and species composition of potential bio-deteriorating agent threatening our cultural heritage outdoor monuments, aquaculture malodours formations, and endangered exophytic microbial diversity.

Starting long-term fellowship in Huazhong Agriculture University related to the extranuclear genomic and transcriptomic analysis of cultivated Capsicum species and their wild relatives. In parallel, , and another investigating the invertase genes under abiotic and phytohormone stress. During this period, I have developed two genomic analysis approaches, one is known as “Pan-plastome analysis”, where the NGS DNAseq massive data was used to assemble full chloroplast genomes at the genus level. The assemble methodology is a novel approach in plant science and was named as “single contig approach”.

Currently, I am targeting fruit shape family genes in pepper, understanding their evolution through NGS-genomics and inter-tissue transcriptomic expression profiles. Such knowledge has increased my interest toward gene-families research and the characterization of the key differentiating features that may answer why gene-like copies are persistent over the natural course of plant evolution. Additionally, I am finalizing the full genome of okra which is considered the first Egyptian crop with a full genome assembly along with an associated okra leave curl virus genome.

My methodological experience ranging from single-locus genotyping, fingerprinting to the characterization of entire genomes and their transcriptomic landscape using traditional and high-through output genetic data (e.g., NGS-based sequencing approaches) and the related computational or bioinformatics approaches.

EDUCATION

- 2013 PhD in Biodiversity and Environmental management, Murcia University, Spain
 Thesis title: *Genetic variability in mosses and its relation to climate change adaptation processes in Mediterranean environments.* Supervised by: Prof. Dr. Rosa Maria Ros, Dr. Olaf Werner.
 2010 MSc in Molecular Biology and Biotechnology, Murcia University, Spain.
 2006 BSc in Agriculture Genetics, Ain Shams University, Egypt.

CURRENT POSITION

- 2019 Associate Professor, Faculty of Agriculture, Ain Shams University, Egypt.

PREVIOUS POSITIONS

- 2014-19 Assistant Professor, Faculty of Agriculture, Ain Shams University, Egypt.
 2007-14 Teacher Assistant, Faculty of Agriculture, Ain Shams University, Egypt.

AWARDS AND SCHOLARSHIPS

- 2020 Publication Excellence Award, Ain Shams University, Egypt.
 2018 Publication Excellence Award, Ain Shams University, Egypt.
 2016 Young Scientists Award, UNESCO, Cairo Office, Egypt.
 2016 Publication Excellence Award, Ain Shams University, Egypt.
 2010 Conference grants, Seneca Foundation, Spain.
 2010 Conference grants, Freiburg University, Germany.
 2009-12 Postgraduate Scholarship, Murcia University, MEC-AECID, Spain.
 2007-08 Postgraduate Scholarship, CHIEAM-IAMZ, Spain.

SCIENTIFIC SUPERVISION

- 2014 -21 Co-Supervisor: 13 MSc & 6 PhD students, Ain Shams University, Egypt.

TEACHING ACTIVITIES

- 2020-21 Agriculture Biotechnology (Postgraduate), lectures, Ain Shams University, Egypt.
 2013-17 Genomics (Undergraduate), lectures, Ain Shams University, Egypt.
 2013-16 Plant Biotechnology (Undergraduate), lectures, Ain Shams University, Egypt.
 2013-16 Computational Biology (Postgraduate), lectures, Ain Shams University, Egypt.

REVIEWING ACTIVITIES

- 2021 PhD Evaluation panel member, Murcia University, Spain;
 MSc Evaluation panel member, Ain Shams University, Egypt;
 Reviewer, Plant Growth Regulation;
 Reviewer, BMC Genomics.
 2020 Reviewer, Horticultural Plant Journal.
 2019 Reviewer, Journal of Oceanology and Limnology.
 2018 Reviewer, Microbiological Research.
 2017 Reviewer, Conservation Genetics, Archives of Phytopathology and Plant Protection.
 2016 Member of the Scientific editorial board, Egyptian Journal of Cytology and Genetics.

MAJOR COLLABORATIONS

- Prof. Bo Ouyang, Huazhong Agriculture University, China, research on pepper genomics.
- Prof. Rosa Maria Ros, Murcia University, Spain, research on plant biodiversity.
- Prof. Clara Urzi Lab, Messina University, Italy, research on microbial biodiversity in cultural heritage sites and fungal systematics.

SCIENTIFIC VISITS/INTERNATIONAL MOBILITY

10.2018 - 10.2021	Long-term fellowship, Huazhong Agriculture University, China
02.2018 - 10.2018	Short-term fellowship, Murcia University, Spain
11.2016 - 02.2017	Short-term fellowship, Messina University, Italy
11.2014 - 03.2015	Short-term fellowship, Murcia University, Spain

RESEARCH PROJECTS

- 2018-21 Advanced Genomics in Okra: Interspecific and Mutational Breeding Program, Principal investigator, ~47,000 Euro, STDF, Egypt.
- 2017-20 Ex-situ Conservation and DNA barcoding of Micro and Macro flora of Omayed Biosphere Reserve – Egypt, Co-Principal investigator, ~20,000 Euros, Ain Shams University, Egypt.
- 2016-18 Using Moss as Bio-indicators to Monitor Climate Changes in Some Egyptian Biogeographic Regions, Principal investigator, ~15,000 Euro, UNESCO, Egypt.
- 2015-17 Genomic, Transcriptomics and Genome-wide Association Studies of Salinity Tolerance Trait in Sorghum, Principal investigator, ~12,000 Euro, Bibliotheca Alexandrina, Egypt.
- 2014-16 Molecular characterization, Phylogenetic Analysis and Hybridization between Abelmoschus spp. On Worldwide Scale, Principal investigator, ~20,000 Euro, STDF, Egypt.

PATENTS

- 2019 Patent: A molecular marker, its primers and applications in the identification of cultivated pepper species and varieties (Patent file no. 201910420429.9), China.

SCIENTIFIC PUBLICATIONS

INTERNATIONAL PEER-REVIEWED PUBLICATIONS

FULL ARTICLES

1. Ahiakpa, John Kojo, **Mahmoud Magdy**, Benjamin Karikari, Shoaib Munir, Muhammad Ali Mumtaz, Safir Ahmad Tamim, Saira Mahmood, et al. "Genome-Wide Identification and Expression Profiling of Tomato Invertase Genes Indicate Their Response to Stress and Phytohormones." *Journal of Plant Growth Regulation*, (2021), 1–18. <https://doi.org/10.1007/s00344-021-10384-5> (JCR: IF 4.169, Q1 Plant Sciences)
2. Rizk, Samah Mohamed, **Mahmoud Magdy**, Filomena De Leo, Olaf Werner, Mohamed Abdel-Salam Rashed, Rosa Maria Ros, and Clara Urzi. "A New Extremotolerant Ecotype of the Fungus *Pseudotaeniolina globosa* Isolated from Djoser Pyramid, Memphis Necropolis, Egypt." *Journal of Fungi* 7, no. 2 (2021): 104. <https://doi.org/10.3390/jof7020104>. (JCR: IF 5.816, Q1 Mycology)
3. Mahmoud, Mohamed AA, and **Mahmoud Magdy**. "Metabarcoding Profiling of Microbial Diversity Associated with Trout Fish Farming." *Scientific Reports* 11, no. 1 (2021): 1–11. <https://doi.org/10.1038/s41598-020-80236-x>. (JCR: IF 4.379, Q1 Multidisciplinary Sciences)

4. Elokil, AA, M Abouzaid, **M Magdy**, T Xiao, H Liu, R Xu, and S Li. "Testicular Transcriptome Analysis under the Dietary Inclusion of L-Carnitine Reveals Potential Key Genes Associated with Oxidative Defense and the Semen Quality Factor in Aging Roosters." *Domestic Animal Endocrinology* 74 (2021): 106573. <https://doi.org/10.1016/j.domaniend.2020.106573>. (JCR: IF 2.290, Q2 Agriculture, Dairy & Animal Science)
5. Huwaidi A., Ahmad, K. A., Magdy M., Shaharuddin N. A., Ikeno S. and Syahir A. (2020). "Identification of Mycosporine-Like Amino Acids And Expression Of 3-Dehydroquinate Synthase Gene In UV Radiations-Induced *Deinococcus radiodurans* R1". Malaysian Journal of Biochemistry & Molecular Biology, 23 (2), 19-29. [LINK](#) (Scimago: SJR 0.70, Q1 Molecular Biology)
6. Elokil, AA, **M Magdy**, S Melak, H Ishfaq, A Bhuiyan, L Cui, M Jamil, S Zhao, and S Li. "Faecal Microbiome Sequences in Relation to the Egg-Laying Performance of Hens Using Amplicon-Based Metagenomic Association Analysis." *Animal* 14, no. 4 (2020): 706–15. <https://doi.org/10.1017/S1751731119002428>. (JCR: IF 3.240, Q1 Agriculture, Dairy & Animal Science)
7. **Magdy, Mahmoud**, Lijun Ou, Huiyang Yu, Rong Chen, Yuhong Zhou, Heba Hassan, Bihong Feng, et al. "Pan-Plastome Approach Empowers the Assessment of Genetic Variation in Cultivated Capsicum Species." *Horticulture Research* 6, no. 1 (2019): 1–15. <https://doi.org/10.1038/s41438-019-0191-x>. (JCR: IF 6.793, Q1 Horticulture, Plant Sciences, and Genetics & Heredity)
8. Amar, Mohamed Hamdy, **Mahmoud Magdy**, Lu Wang, Hui Zhou, Beibei Zheng, Xiaohan Jiang, Aiman H Atta, and Yuepeng Han. "Peach Chloroplast Genome Variation Architecture and Phylogenomic Signatures of CpDNA Introgression in Prunus." *Canadian Journal of Plant Science* 99, no. 6 (2019): 885–96. <https://doi.org/10.1139/cjps-2019-0129>. (JCR: IF 1.018, Q3 Agronomy)
9. Ullah, Ihteram, **Mahmoud Magdy**, Lixiang Wang, Mengyu Liu, and Xia Li. "Genome-Wide Identification and Evolutionary Analysis of TGA Transcription Factors in Soybean." *Scientific Reports* 9, no. 1 (2019): 1–14. <https://doi.org/10.1038/s41598-019-47316-z>. (JCR: IF 4.379, Q1 Multidisciplinary Sciences)
10. Ahiakpa, JK, **Mahmoud Magdy**, O Werner, HM Amoatey, MA Yeboah, AS Appiah, EK Quartey, and RM Ros. "Intra-Specific Variation in West African and Asian Germplasm of Okra (*Abelmoschus* spp L.)." *Annals of Agricultural Sciences* 62, no. 2 (2017): 131–38. <https://doi.org/10.1016/j.aaos.2017.08.002>. (Scimago: SJR 0.61, Q1 Horticulture)
11. Marei, EM, and **M Magdy**. "Isolation and Characterization of Basil Mosaic Virus in Egypt." *Archives of Phytopathology and Plant Protection* 50, no. 13–14 (2017): 687–99. <https://doi.org/10.1080/03235408.2017.1368908>. (Scimago: SJR 0.26, Q3 Agricultural and Biological Sciences)
12. Werner, Olaf, **Mahmoud Magdy**, and Rosa María Ros. "Molecular Systematics of *Abelmoschus* (Malvaceae) and Genetic Diversity within the Cultivated Species of This Genus Based on Nuclear ITS and Chloroplast rpl16 Sequence Data." *Genetic Resources and Crop Evolution* 63 (2016): 429–45. <https://doi.org/10.1007/s10722-015-0259-x>. (JCR: IF 1.524, Q2 Agronomy, and Plant Sciences)
13. Fawzia, S, **M Magdy**, MA Rashed, MA Essa, RA Ali, and EA Badawy. "Differential Expression Analysis in Egyptian Redbelly Tilapia (*Tilapia zillii*) Exposed to Cold Stress." *Egyptian Journal of Aquatic Research* 42, no. 3 (2016): 313–18. <https://doi.org/10.1016/j.ejar.2016.06.005>. (Scimago: SJR 0.73, Q1 Aquatic Sciences)
14. **Magdy, M**, O Werner, SF McDaniel, B Goffinet, and RM Ros. "Genomic Scanning Using AFLP to Detect Loci under Selection in the Moss *Funaria Hygrometrica* along a Climate Gradient in the Sierra Nevada Mountains, Spain." *Plant Biology* 18, no. 2 (2016): 280–88. <https://doi.org/10.1111/plb.12381>. (JCR: IF 3.081 Q2 Plant Sciences),
15. **Magdy, Mahmoud**, Mariam Gergis Eshak, and Mohamed Abdel-Salam Rashed. "Genetic Structure of Mugil Cephalus L. Populations from the Northern Coast of Egypt." *Veterinary World* 9, no. 1 (2016): 53. <https://doi.org/10.14202/vetworld.2016.53-59>. (JCR: IF 0.77, Q2 Agriculture, Dairy & Animal Science)
16. Werner, Olaf, Heribert Kockinger, **Mahmoud Magdy**, and Rosa M Ros. "On the Systematic Position of *Tortella Arctica* and *Trichostomum Arcticum* (Bryophyta, Pottiaceae)." *Nova Hedwigia* 98, no. 3–4 (2014): 273–93. <https://doi.org/10.1127/0029-5035/2014/0175>. (JCR: IF 1.135, Q3 Plant Sciences)

17. Pisa, Sergio, Olaf Werner, Alain Vanderpoorten, **Mahmoud Magdy**, and Rosa M Ros. "Elevational Patterns of Genetic Variation in the Cosmopolitan Moss Bryum Argenteum (Bryaceae)." *American Journal of Botany* 100, no. 10 (2013): 2000–2008. <https://doi.org/10.3732/ajb.1300100>. (JCR: IF 3.844, Q1 Plant Sciences)

TECHNICAL NOTES & ANNOUNCEMENTS

1. **Magdy, Mahmoud**, Andrew S Appiah, Samah M Rizk, Hagar T Elhifnawi, Benjamin Karikari, John K Ahiakpa, and Noha K El-Dougdoug. "Genome Sequence of an Okra Leaf Curl Virus from Egypt." *Microbiology Resource Announcements* 10, no. 29 (2021): e00533-21. <https://doi.org/10.1128/MRA.00533-21>. (JCR: Q4, Microbiology)
2. **Magdy, Mahmoud**, and Bo Ouyang. "The Complete Mitochondrial Genome of the Chiltepin Pepper (*Capsicum Annum* Var. *Glabriusculum*), the Wild Progenitor of *Capsicum Annum* L." *Mitochondrial DNA Part B* 5, no. 1 (2020): 683–84. <https://doi.org/10.1080/23802359.2020.1714496>. (JCR: IF 0.65, Q4 Genetics & Heredity)
3. Amar, Mohamed Hamdy, **Mahmoud Magdy**, Hui Zhou, Lu Wang, and Yuepeng Han. "The Complete Chloroplast Genome of *Amygdalus Mira* (Rosaceae) a Threatened Wild Chinese Peach." *Conservation Genetics Resources* 10, no. 4 2018: 801–3. <https://doi.org/10.1007/s12686-017-0934-7>. (JCR: IF 0.973, Q3 Plant Sciences)

INTERNATIONAL CONFERENCES AND MEETINGS

1. **Mahmoud Magdy**, Mahmoud, Mohamed, and Fawzia Salah. "Inter-Tissue Relative Expression of Transferrin Reveals the Potential of *Tilapia zillii* as a Bioindicator for Water Pollution." In *AQUA 2018*. World Aquaculture Society; Montpellier, France, 2018. [LINK](#)
2. Mahmoud, Mohamed, Thorsten Tybussek, **Mahmoud Magdy**, and Andrea Buettner. "Status Update on Malodor Formation and Accumulation Sources in Aquaculture." In *AQUA 2018*. World Aquaculture Society; Montpellier, France, 2018. [LINK](#)
3. Soliman, Samah, and **Mahmoud Magdy**. "Lahun Pyramid, More Surprising Treasures Are Revealed: Fungal Diversity Analysis Using Amplicon-Based Metagenomic Approach." In *Medical Mycology*, 56:S21. Oxford University Press, 2018. [LINK](#)
4. **Magdy, Mahmoud**, Samah Mohamed Rizk, and Agripina Ramirez. "De Novo Assembly Pipeline for Comparative Plastomics in Plants." In *XIV International Conference of Scientific Investigation*, 24:143–44. Ministerio de Educación Superior, Ciencia y Tecnología; Santo Domingo, 2018.
5. Rizk, Samah Mohamed, **Mahmoud Magdy**, Mohamed Abdel-Salam Rashed, Clara Urzi, Olaf Werner, Rosa Maria Ros, and Agripina Ramirez. "Rock Inhabiting Fungi: Inhabiting Acts and Future Biotechnological Applications." In *XIV International Conference of Scientific Investigation*, 24:196–97. Ministerio de Educación Superior, Ciencia y Tecnología; Santo Domingo, 2018.
6. De La Cruz-Martínez, Elena, **Mahmoud Magdy**, Olaf Werner, and Rosa María Ros. "Genetic Diversity Is Related to Landscape Diversity in *Funaria Hygrometrica*." In *XV OPTIMA MEETING (Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area)*. Montpellier (France), Tela Botanica, Conservatoire National, 2016. [LINK](#)
7. Huwaidi, A, N Azmi, S Ikeno, **M Magdy**, and A Syahir. "Mycosporine-Like Amino Acids: Molecular Exploitation of Additional Radio-Resistance Mechanisms in *Deinococcus Radiodurans* R1." In *4th International Symposium on Applied Engineering and Sciences (SAES 2016)*, 4:5. Kyushu Institute of Technology, Kitakyushu, Japan, 2016.
8. Fawzia, S., A. Goda A-S., H. Nazmi, and **Mahmoud Magdy**. "Application of Breeding Methods to Production Genetically Improved Farmed Nile Tilapia, *Oreochromis niloticus*." In *3rd International Conference on Aquaculture & Fisheries - London, UK (JAquac Res Development)*, 7:74. 2016. [LINK](#)
9. Rizk, S. M., **M. Magdy**, F. De Leo, M. A. Rashed, K. A. A. Soliman, and C. Urzi. "Isolation of an Extremophile Pseudotaeeniolina Globosa Biovariant from Djosar Pyramid, Egypt." In *Sixth Meeting of the ISHAM Working Group on Black Yeasts "The Potential of Being Black: Extreme Adaptations and Pathogenicity."* ISHAM working group on Black Yeasts and The University of Tuscia, Italy, 2016. [LINK](#)

10. Werner, Olaf, Sergio Pisa, **Mahmoud Magdy**, Marta Nieto, and Rosa María Ros Espín. "Everything Is Everywhere: Briófitos Cosmopolitas Entre Adaptación Local y Dispersión Global." In *Congreso de La Sociedad Española de Biología Evolutiva*, 5:33. Nausícaä Edición Electrónica, S.L, **2016**.
11. **Magdy, M.**, F. Salah, A. S. Ramirez, and M. A. Rashed. "Molecular Identification of Newly Reported Posthodiplostomum Sp. from *Oreochromis niloticus* in Nile River, Egypt." In *XI International Interdisciplinary Scientific Research Congress*. Ministry of Higher Education, Science and Technology, Santo Domingo, **2015**.
12. Chapuis, I., M. O. Paiano, M. Aboal, P. Sánchez Castillo, O. Jr. Necchi, and **M. Magdy**. "Estudio Molecular y Morfológico de Las Poblaciones Íbero-Baleares Del Género Batrachospermum (Batrachospermales, Rhizophytidae): Bases Para La Comprensión de Su Biodiversidad y Distribución." In *XIX Simposio de Botánica Criptogámica*, Vol. 19. Banco Español de Algas (BEA), <http://hdl.handle.net/10553/10624>, **2013**.
13. Ros, Rosa Maria, Olaf Werner, **Mahmoud Magdy**, Marta Nieto-Lugilde, Sergio Pisa, and Samah Rizk. "High Genetic Diversity of Some Cosmopolitan Mosses in the Mediterranean Sierra Nevada Mountains." In *XIV OPTIMA MEETING*, 141. Università degli Studi di Palermo, Palermo, Italy, **2013**. [LINK](#)
14. **Magdy, Mahmoud**, Rosa Maria Ros, and Olaf Werner. "The Genetic Structure of the Funaria Hygrometrica HEDW. Populations in Sierra Nevada (Spain) Using the Sequence-Related Amplified Polymorphism (SRAP) Technique." In *3rd Physcomitrella Genome Workshop, Freiburg*. **2010**. https://www.cosmoss.org/physcome_project/linked_stuff/Abstracts/Poster.

LOCAL PEER-REVIEWED PUBLICATIONS

1. Ahiakpa JK, Karikari B, **Magdy M**, Munir S, Mumtaz MA, et al. (**2021**). Regulation of invertase and sucrose for improving tomato fruit flavor: A review. *Vegetable Research* 1: 10 <https://doi.org/10.48130/VR-2021-0010>
2. El-Sakaty, S., **Magdy, M.**, Rizk, S., Hashim, A., Abu-Elhamd, M., Elateek, S. (2021). Ex-situ Conservation of the Micro and Macro Flora of Omayed Biosphere Reserve (OBR): A Survey Report. *Egyptian Journal of Botany*. In press. Online: <https://dx.doi.org/10.21608/ejbo.2021.46939.1573>
3. Ahmed, S. M. E., Fiteha, Y. G., Elhifnawy, H. T., **Magdy, M.**, Mamoon, A., Hussien, N., & Rashed, M. A. S. (2021). "DNA Barcoding for Identification of Some Fish Species (Sparidae) in Mediterranean Sea Area". *Journal of Scientific Research in Science* 38:2021. [LINK](#)
4. Gamaleldin R, M Rashed, M **Magdy** (2021). "DNA Barcoding of Commercial Three High Value Red Sea Fishes from The Egyptian Market". *Arab Universities Journal of Agricultural Sciences*, 29(2), 715-721. <https://doi.org/10.21608/ajs.2021.68600.1352>
5. Zoghly, Hala M, **M Magdy**, R Ali, Nermin M Abd El-Gawaad, and M Rashed. "Genotoxicity of Ethidium Bromide in Albino Mice Treated with Probiotic Bacteria". *Egyptian Journal of Genetics And Cytology* 49, no. 2 (**2020**): 255–75. <http://journal.esg.net.eg/index.php/EJGC/article/view/334/325>
6. Elateek, Sawsan Y, Abanob Tharwat Sabry, and **Mahmoud Magdy**. "Evaluation of Microbial Community in Wastewater Treatment Plant Using QRT-PCR Protocol." *Arab Universities Journal of Agricultural Sciences*, (**2020**). <https://doi.org/10.21608/ajs.2020.44223.1266>.
7. Fiteha, Y G, **M Magdy**, Hager T Elhifnawy, Amira El-Keredy, Ramadan Ali, and M A Rashed. "Cytochrome Oxidase Subunit I Gene Based Identification of The Common Egyptian Tilapiine Species." *Egyptian Journal of Genetics And Cytology* 49, no. 1 (**2020**). <http://journal.esg.net.eg/index.php/EJGC/article/view/318/308>
8. Elhifnawy, H. T., Y. G Fiteha, **Magdy M.**, A. M. Serag, A. H. A. Atta, and M. A. Rashed. "Genetic Relatedness and Phylogeny among Egyptian Cichlidae Species Based on Mitochondrial D-Loop Region." *Researcher* 11, no. 11 (**2019**): 79–84. http://www.sciencepub.net/researcher/rsj111119/10_35754rsj111119_79_84.pdf
9. Awad, M A, El-Deeb, M D, **Magdy, M**, El-Alakmy, H A "In Silico Genome Mining For Salinity-Related Pathways In The Citrus Sinensis Genome." *Egyptian Journal of Genetics And Cytology* 48, no. 1 (**2019**). <http://journal.esg.net.eg/index.php/EJGC/article/view/298/287>
10. Saif, W, **M Magdy**, M H Amar, and M A Nagaty. "AFLP-Based Evaluation for Tree Production of El-Sheikh Zewaied Peach Cultivar 'Sinawi' (*Prunus Persica* L.) In North Sinai, Egypt." *Egyptian Journal*

of Genetics And Cytology 48, no. 1 (2019).
<http://journal.esg.net.eg/index.php/EJGC/article/view/299/305>

11. Abdel-Tawab, F M, Eman M Fahmy, Fareida M Elsaeid, **M Magdy**, and A A Elatawy. "Isolation and Identification of Key Genes Controlling Salt Tolerance in Grey Mangrove (*Avicennia Marina*) Al-Nabq Protectorate, Egypt." *Egyptian Journal of Genetics And Cytology* 47, no. 2 (2019). <http://journal.esg.net.eg/index.php/EJGC/article/view/295/284>
12. Osman, BMA, **M Magdy**, SF Elsharabasy, MA Rashed, and SA Ibrahim. "Molecular Analysis of Gut Bacterial Endosymbionts Diversity in Red Palm Weevil Larvae, *Rhynchophorus Ferrugineus* (Coleoptera; Curculionidae)." *Arab Universities Journal of Agricultural Sciences* 26, no. Special issue (2A) (2018): 1213–22. <https://doi.org/10.21608/ajs.2018.28385>.
13. Al-Zafiri, Bahia, **Mahmoud Magdy**, Ramadan Ahmed Mohamed Ali, and Mohamed Abdel-Salam Rashed. "DNA Barcoding of Common Commercial Sea Catfish (Genus: *Plicofollis*) from Kuwait." *American Journal of Molecular Biology* 8, no. 2 (2018): 102–8. <https://doi.org/10.4236/ajmb.2018.82009>.
14. Rashed, MA, Amira El-Kerady, and **M Magdy**. "Diversity and Evolution of CYP Mitochondrial Gene In Nile Tilapia (*Oreochromis niloticus* L.)." *Egyptian Journal of Genetics And Cytology* 46, no. 2 (2018). <https://doi.org/10.21608/ejgc.2018.9199>.
15. Rizk, MS, FM Abd El-Twab, A Abo Doma, MH Amar, and **M Magdy**. "F-AFLP Genome Scan Among Fourteen Genotypes of Sunflower (*Helianthus Annuus* L.)." *Arab Universities Journal of Agricultural Sciences* 26, no. Special issue (2D) (2018): 2489–2501. <https://dx.doi.org/10.21608/ajs.2018.35615>
16. Rashed, MA, GF Gouda, **M Magdy**, and MAM Abdelfatah. "Using Mitochondrial Cytochrome B Gene for Authentication of Meats from Different Animal Sources." *Egyptian Journal of Genetics And Cytology* 46, no. 1 (2017). <http://journal.esg.net.eg/index.php/EJGC/article/view/252/245>
17. Essa, Shaimaa Mohamed, Mohammed Abdel-Salam Rashed, Nadia Hussein Mohamed, and **Mahmoud Magdy**. "DNA Barcoding and Phylogeny of Some Common Rodents of the Family Muridae in the Egyptian Environment." *Researcher* 8, no. 6 (2016): 1–4. http://www.sciencepub.net/researcher/research080616/01_30726rsj080616_1_4.pdf
18. El Sherbeny, Esraa Attia, Amal Ahmed Morsy, and **Mahmoud Magdy**. "Soil Characteristics Influence the Selection of Dominant Plant Genotypes Inhabiting Wadi Sudr, Egypt." *American Journal of Plant Sciences* 7, no. 08 (2016): 1304–15. <https://doi.org/10.4236/ajps.2016.78125>.
19. El-Atroush, H, **M Magdy**, O Werner. "DNA Barcoding of Two Endangered Medicinal Plants from Abou Galoom Protectorate." *Life Sci. J* 12, no. 9 (2015): 101–9. <https://doi.org/10.7537/marslj120915.14>

LOCAL CONFERENCES AND MEETINGS

1. Elhifnawy, M., H. T., Rashed, M. A., Atta, A. H., **Magdy M.** "Population Structure of the Redbelly Tilapia Among Closed and Open Fresh Water Systems of Egypt." In *4th International Conference of Genetic Engineering and Its Applications*, Vol. 4, pp 29-30. Sharm El-Sheikh, Egypt, 2016. [LINK](#)
2. Saeed, A. M., K. Z. El-Baghdady, A. E. Zakaria, E. H. El-Shatoury, **M. Magdy**, and A. M. Osman. "Horizontal Gene Transfer of TrxB in New Selenite Reducing Bacteria *Zobellella Denitrificans*." In *International Conference on Nuclear Sciences and Applications*, 11:14. The Egyptian Society of Nuclear Sciences and Applications (ESNSA), 2016. [LINK](#)
3. El-Sakaty, Sahar I. A., **Mahmoud Magdy**, Hala El-Atroush, Magdy M. Mohamed, and Usama Abou-Salama. "DNA Barcoding of Three Species of Bryaceae-Musci." In *International Conference of Botany and Microbiological Sciences*, Vol. 4. Egyptian Botanical Society, 2014.

REFEREES

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