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| Ain Shams University  Faculty of Agriculture  Department of Genetics  [68 Hadayek Shubra]  [Cairo], [11241]  Egypt | **m.elmosallamy@agr.asu.edu.eg**  Phone: [+201093411288]  Website: <http://about.me/m.magdy.elmosallamy> |

Mahmoud Magdy, PhD

<https://www.researchgate.net/profile/Mahmoud_Elmosallamy>

Education

Thesis

Mahmoud Magdy: *Genetic variability in mosses and its relation to climate change adaptation processes in mediterranean environments*. 07/**2013**, Degree: **PhD in Biodiversity and Environmental Management**, Supervisors: Olaf Werner, Rosa Maria Ros

Mahmoud Magdy: *The genetic structure of the Moss Funaria hygrometrica populations in Sierra Nevada (Spain) using the sequence-related amplified polymorphism (SRAP) technique*. 09/**2010**, Degree: **Master in** **Molecular Biology and Biotechnology**, Supervisors: Encarnacion Muñoz Delgado, Olaf Werner, Rosa María Ros Espín, DOI:10.13140/RG.2.1.3473.7120.

Mahmoud Magdy: *Genetic diversity assessment of cultivated citrus rootstocks in northern Sinai Peninsula*. 06/**2006**, Degree: **Bachelor’s in Agriculture Genetics**, Supervisors: M. Rashed.

Research Experience

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| *May 2019 – present* | **Professor (Associate) of Genetics**  Ain Shams University, Department of Genetics  Cairo, Egypt |
| *May 2014 – May 2019* | **Professor (Assistant) of Genetics**  Ain Shams University, Department of Genetics  Cairo, Egypt |
| *Oct 2009 – Jul 2013* | **MSc & PhD Student**  University of Murcia, Department of Plant Biology  Murcia, Spain |
| *Mar 2007 – May 2014* | **Teacher Assistant**  Ain Shams University, Department of Genetics  Cairo, Egypt |

Awards & Grants

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| *Scholarships and Awards* | **May 2016/2017/2018/2019/2020**  Publication Excellence Award – Ain Shams University  **September 2009 – September 2012**  MEC-AECID Scholarship for postgraduate studies  **March 2016**  Young Scientists Award - UNESCO  **September 2010**  Seneca Foundation grant for conference attendance  Cosmoss 2010 attendance grant, Freiburg University  **July 2007 – June 2008**  CHIEAM-IZAM Scholarship |
| *Scientific Missions and Fellowships* | **October 2018 – October 2021**  China, Huazhong Agricultural University. Post-doctoral long-term fellowship, Post-Doc of China Organization, China.  **February 2018 – October 2018**  Spain, Murcia University. Post-doctoral short-term fellowship, MOHE, Egypt.  **August 2017 – February 2018**  Canada, Laval University. Post-doctoral short-term fellowship, LU, Canada.  **November 2016 – February 2017**  Italy, Messina University. Post-doctoral short-term fellowship, STDF, Egypt.  **November 2014 – March 2015**  Spain, Murcia University. Post-doctoral short-term fellowship, STDF, Egypt. |

Skills & Activities

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| *Languages* | Fluent in Arabic, English and Spanish |
| *Scientific Memberships* | American Society of Botany; Society for Study of Evolution; Biodiversity Information Standards; International Society for Molecular Plant-Microbe Interactions; Understand your genome community; Bioinformatic Organization; World Society of Aquaculture. |
| *Experience Field and Interests* | Applied Genomics, Landscape Transcriptomics, Molecular Ecology, Systematics, Phylogeography and Evolution. |

Patents

Bo Ouyang, **Mahmoud Magdy**, Rong Chen, Yuhong Zhou, Heba Hassan, Huiyang Yu, Lijun Ou, Feng Li, Xuexiao Zou. A molecular marker, its primers and applications in the identification of cultivated pepper species and varieties (Patent file no. 201910420429.9) /**2019**

Projects (PI or CO-PI)

* *Advanced Genomics in Okra: Interspecific and Mutational Breeding Program*. STDF, Egypt. **PI:** Dr. Mahmoud Magdy. **November 2018 – Until now.**
* *Ex*-situ *Conservation and DNA barcoding of Micro and Macro flora of Omayed Biosphere Reserve – Egypt.* Ain Shams University, Egypt. PI: Dr. Sahar El-Sakaty, **Co-PI:** Dr. Mahmoud Magdy. **December 2017 – Until now.**
* *Using Moss as Bio-indicators to Monitor Climate Changes in Some Egyptian Biogeographic Regions.* UNESCO, Cairo Branch, Egypt. **PI:** Dr. Mahmoud Magdy. **March 2016 – December 2018.**
* *Genomic, Transcriptomics and Genome-*wide Association Studies of Salinity Tolerance Trait in Sorghum. CSSP, Bibliotheca Alexandrina, Egypt. **PI:** Dr. Mahmoud Magdy. **July 2015 – July 2017.**
* *Molecular characterization, Phylogenetic Analysis and Hybridization between Abelmoschus spp. On Worldwide Scale.* STDF, Egypt. **PI:** Dr. Mahmoud Magdy. **July 2014 – March 2016.**

International Publication List

1. Mohamed Mahmoud, **Mahmoud Magdy**: Amplicon-based metagenomic profiling of microbial diversity associated with trout fish farming. Scientific Reports, Accepted 11/2020. DOI: s41598-020-80236-x
2. Elokil, A. A., Moustafa Abouzaid, **Mahmoud 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**, 09/2020; 74:106573; DOI:10.1016/j.domaniend.2020.106573
3. **Mahmoud Magdy**, Bo Ouyang: *The complete mitochondrial genome of the chiltepin pepper (Capsicum annuum var. glabriusculum), the wild progenitor of Capsicum annuum L.* **Mitochondrial DNA Part B**, 01/**2020**; 5(1); DOI: 10.1080/23802359.2020.171449
4. **Mahmoud Magdy**, Lijun Ou, Huiyang Yu, Rong Chen, Yuhong Zhou, Heba Hassan, Bihong Feng, Nathan Taitano, Esther Van Der Knaap, Xuexiao Zou, Feng Li, Bo Ouyang: *Pan-plastome approach empowers the assessment of genetic variation in cultivated Capsicum species*. **Horticulture Research** 09/**2019**; 6(1); DOI:10.1038/s41438-019-0191-x
5. Mohamed Hamdy Amar, **Mahmoud Magdy**, Lu Wang, Hui Zhou, Beibei Zheng, Xiaohan Jiang, Aiman H. Atta, Y. Han: *Peach chloroplast genome variation architecture and phylogenomic signatures of cpDNA introgression in Prunus*. Canadian Journal of Plant Science 08/**2019**; DOI:10.1139/CJPS-2019-0129
6. Ihteram Ullah, **Mahmoud Magdy**, Lixiang Wang, Mengyu Liu, Xia Li: *Genome-wide identification and evolutionary analysis of TGA transcription factors in soybean*. **Scientific Reports** 08/**2019**; 9(1). DOI:10.1038/s41598-019-47316-z
7. Bahia Al-Zafiri, **Mahmoud Magdy**, Ramadan Ahmed Mohamed Ali, Mohamed Abdel-Salam Rashed: *DNA Barcoding of Common Commercial Sea Catfish (Genus: Plicofollis) from Kuwait*. **American Journal of Molecular Biology** 01/**2018**; 08(02):102-108., DOI:10.4236/ajmb.2018.82009
8. Mohamed Hamdy Amar, **Mahmoud Magdy**, Hui Zhou, Lu Wang, Yuepeng Han: *The complete chloroplast genome of Amygdalus mira (Rosaceae) a threatened wild Chinese peach*. **Conservation Genetics Resources** 11/**2017**; 10 (Web Server Issue). DOI:10.1007/s12686-017-0934-7
9. Jon Kojo Ahiakpa, **Mahmoud Magdy**, Olaf Werner, H. M. Amoatey, M. A. Yeboah, A. S. Appiah, E. K. Quartey, R. M. Ros: *Intra-specific variation in West African and Asian germplasm of okra (Abelmoschus spp L.)*. **Annals of Agricultural Sciences** 09/**2017**; 62(2)., DOI:10.1016/j.aoas.2017.08.002
10. Eman M. Marei, M. Magdy: *Isolation and characterization of basil mosaic virus in Egypt*. **Archives of Phytopathology and Plant Protection** 08/**2017**; DOI:10.1080/03235408.2017.1368908
11. Salah Fawzia Ali, **Mahmoud Magdy**, Mohamed Abdel-Salam Rashed, Mohamed Essa, R. A. Ali, E. A. Badawy: *Differential expression analysis in Egyptian redbelly tilapia (Tilapia Zillii) exposed to cold stress*. **Egyptian Journal of Aquatic Research** 08/**2016**; 42(3)., DOI:10.1016/j.ejar.2016.06.005
12. Esraa Attia El Sherbeny, Amal Ahmed Morsy, **Mahmoud Magdy**: *Soil Characteristics Influence the Selection of Dominant Plant Genotypes Inhabiting Wadi Sudr, Egypt*. **American Journal of Plant Sciences** 06/**2016**; 07(08):1304-1315., DOI:10.4236/ajps.2016.78125
13. Olaf Werner, **Mahmoud Magdy**, 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** 03/**2016**; 63(3):1-17., DOI:10.1007/s10722-015-0259-x
14. **Mahmoud Magdy**, Olaf Werner, Stuart F McDaniel, Bernard Goffinet, Rosa María Ros-Espín: *Genomic scanning using AFLP to detect loci under selection in the moss Funaria hygrometrica along a climatic gradient in Sierra Nevada Mountains (Spain)*. **Plant Biology** 02/**2016**; 18(2)., DOI:10.1111/plb.12381
15. **Mahmoud Magdy**, Mariam Gergis Eshak, Mohamed Abdel-Salam Rashed: *Genetic structure of Mugil cephalus L. populations from the northern coast of Egypt*. **Veterinary World** 01/**2016**; 9(1):53-59., DOI:10.14202/vetworld.2016.53-59
16. Olaf Werner, Heribert Köckinger, **Mahmoud Magdy**, Rosa M. Ros: *On the systematic position of Tortella arctica and Trichostomum arcticum (Bryophyta, Pottiaceae)*. **Nova Hedwigia** 05/**2014**; 98(3-4):273-293., DOI:10.1127/0029-5035/2014/0175
17. Sergio Pisa, Olaf Werner, Alain Vanderpoorten, **Mahmoud Magdy**, Rosa M Ros: *Elevational patterns of genetic variation in the cosmopolitan moss Bryum argenteum (Bryaceae)*. **American Journal of Botany** 10/**2013**; 100(10)., DOI:10.3732/ajb.1300100

International Conferences

1. Mohamed Ahmed Abbas Mahmoud, Thorsten Tybussek, **Mahmoud Magdy**, Helene M. Loos, Maria Wagenstaller, Andrea Buettner: *Status update on malodor formation and accumulation sources in aquaculture*. AQUA 2018, Montpellier; 08/**2018**
2. A Huwaidi, N Azmi, S Ikeno, **Mahmoud Magdy**, A Syahir: *Mycosporine-Like Amino Acids: Molecular Exploitation of Additional Radio-Resistance Mechanisms in Deinococcus Radiodurans R1*. 4th International Symposium on Applied Engineering and Sciences (SAES 2016), Kyushu Institute of Technology, Kitakyushu, Japan; 12/**2016**
3. Samah Soliman, **Mahmoud Magdy**, Filomena De Leo, Khalid A. A. Soliman, Mohamed Abdel-Salam Rashed, Clara Urzi: *Isolation of an extremophile Pseudotaeniolina globosa biovariant from Djosar pyramid, Egypt.* 6th Meeting of the ISHAM Working groups on Black Yeasts and Chromoblastomycosis, Viterbo, Italy; 09/**2016**
4. Olaf Werner, Sergio Pisa, **Mahmoud Magdy**, Marta Nieto, Rosa María Ros Espín: *Everything is everywhere: briófitos cosmopolitas entre adaptación local y dispersión global*. Congreso de la Sociedad Española de Biología Evolutiva, Murcia; 01/**2016**
5. **Mahmoud Magdy**, Fawzia Ali, Agripina Sanchez Rameriz, Mohamed Abdel-Salam Rashed: *Molecular identification of newly reported Posthodiplostomum sp. from Oreochromis niloticus in Nile River, Egypt*. XI International Interdisciplinary Scientific Research Congress; 01/**2015**
6. Sahar I. A. El-Sakaty, **Mahmoud Magdy**, Hala El-Atroush, Magdy M. Mohamed, Usama Abou-Salama: *DNA Barcoding of Three Species of Bryaceae-Musci*. International Conference of Botany and Microbiological Sciences; 01/**2014**
7. Rosa Maria Ros, Olaf Werner, **Mahmoud Magdy**, Marta Nieto-Lugilde, Sergio Pisa, Samah Rizk: *High genetic diversity of some cosmopolitan mosses in the Mediterranean Sierra Nevada Mountains*. OPTIMA Meeting, Palermo, Italy. 09/**2013**

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