



# Prof. Dr. Reda E.A. Moghaieb Curriculum Vitae

#### **PERSONAL INFORMATION**

Family Name: Moghaieb

First Name : Reda

**Date of Birth**: December, 28, 1965

Sex : Male Religion : Muslim

**Address**: Dept. of Genetics, Fac. of Agric., Cairo

University, Giza, Egypt

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**Nationality** : Egyptian **Marital Status** : Married.

#### **EMPLOYMENT:**

**Dean:** College of Biotechnology University of Modern Sciences- UAE (Sept.

2016 - Sept. 2017)

Professor: Department of Genetics, Faculty of Agriculture, Cairo

University-Egypt. (2012 to date)

Associate Professor: Department of Genetics, Faculty of Agriculture, Cairo

University. (2007 to 2012)

Assistant Professor: Department of Genetics, Faculty of Agriculture, Cairo

University. (2002 to 2007)

**Lecturer Assistant**: Department of Genetics, Faculty of Agriculture, Cairo

University. (1994 to 2002)

Demonstrator: Department of Genetics, Faculty of Agriculture,

Cairo University. (1987 to 1994)





#### **EDUCATION:**

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1- B.Sc., (Agriculture Science, Horticulture, 1987) Faculty of Agriculture, Cairo University

- 2- M.Sc., (Department of Genetics, 1994) Faculty of Agriculture, Cairo University. Thesis title: Quantitative genetic studies on *Vicia faba* L.
- **3- Ph.D**: (Graduate School of Biosphere Sciences, **Hiroshima University, Japan, 2002**)

**Thesis title:** Transformation of tomato plants (*Lycopersicon esculentum* Mill.) by betaine aldehyde dehydrogenase gene leads to glycine betaine accumulation and improvement of salt tolerance

#### PERSONAL SUMMARY

Having excellent research potential and an ability to actively contribute to the research projects goals as well as a proven publication track record and a good standard of written English. Able to interact with all researchers in a constructive, creative and professional manners.

#### **KEY SKILLS AND COMPETENCIES**

#### **RESEARCH INTERESTS:**

- Gene isolation and cloning
- Tissue culture and gene transfer in plants.
- Biochemical, molecular and physiological adaptation of plants to extreme environments and the biotechnological application of its principles
- Molecular phylogeny and biodiversity
  - Protein structure and function

#### **RESEARCH SKILLS:**

- Head of the research team at the Genetic Engineering Research Center-Faculty of Agriculture- Cairo University
- Carryout experimental and applied research in the field of Genetic Engineering.
- Able to plan research and organize tasks effectively
- Ability to resolve problems independently.
- Ability to priorities own work in response to deadlines.

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- Contributing to team decisions about research directions.
- Identifying suitable techniques for the collection and analysis of data
- Data coding, data entry, transcribing, data analysis & assistance with writing up.
- Experience in scientific writing and international publication.
- Producing regular reports for senior management and specialists in different areas
- Knowledge of maintaining safe workplace practice and procedures in accordance with the requirements of Health and Safety legislation
- Assisting in the development & preparation of continuing funding opportunities.
- Travelling to international conferences and research visits in other institutions.
- Responsible for some administrative tasks, such as webpage maintenance.

# **TEACHING SKILLS:**

I participate in teaching the following courses at the Faculty of Agriculture, Cairo University in the period from 2005 to now:

#### **UNDERGRADUATE COURSES:**

- General Genetics for the second year students, Faculty of Agriculture Cairo University
- Genetics and Genetic Engineering to students of the College of Veterinary Medicine Cairo University
- Genetics and Genetic Engineering to students of the College of Veterinary Medicine -University of Beni Suef
- Quantitative and population Genetics
- Gene Transfer for students of Biotechnology (in English)
- Cell Biology to biotechnology students (in English)
- Morphogenesis and Embryology for students of Biotechnology (in English)
- Applications of Genetic Engineering in Improving Animal Production for students of Biotechnology (in English)

#### **POST-GRADUATE COURSES:**

- Cytology
  - Applied Genetics
  - Genetical and cytological Techniques
  - Physiological Genetics to students of the College of Veterinary Medicine, Cairo University
  - \* Principals of food Biotechnology (Food Processing Technology)
  - \* Nutrigenomics





# **Teaching Statement**

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As a Professor I strive to engage, challenge, and inspire growth in my students. It is my belief that every student is capable of tasting the passion that I feel for molecular biology, becoming collaborators in the exploration of genetics, research, and practice. I believe that it is my job, in part, to share these tales with my students. I prefer to teach through demonstrations: by conducting mini-experiments and analyzing data in the classroom, by participating in small group debates and role-plays, by observing and chronicling behaviors from the real world, and by discussing case studies. I aim to immerse my students in the topics that I love.

To challenge and be challenged by my students is my second goal. I begin with the belief that every student possesses unique capabilities that can be shared with others if given the appropriate supports. I challenge my students to share opinions with and to mentor one another. I encourage brain storming sessions, group projects, and group presentations. It is my hope that students leave my classroom knowing what it means to be a collaborator. I encourage my students to ask questions, and I am straightforward about not having all of the answers. Although my passion is for molecular biology in particular, one of the greatest goals I have is to teach my students to become motivated, insightful, and enthusiastic thinkers.

#### **Research Statement**

My research interests lie in the field of plant engineering, with a focus on enhancing salt and drought stress tolerance using microorganisms as a source of genes. By utilizing microorganisms in this way, my research has the potential to greatly benefit agriculture by improving crop yields and reducing the negative impacts of environmental stressors. In particular, my research experience and interests center on genetic modification of plants to enhance their tolerance to environmental stressors. During my graduate studies, I employed molecular biology techniques to conduct research on genetic engineering of plants to improve their salt tolerance. Additionally, I have worked on projects examining the physiological and biochemical responses of plants to various abiotic stresses such as drought and salt. One innovative approach that I have pursued is isolating ectoine biosynthetic genes from the halophilic archaea Haloferax and

enhance the plant's tolerance to salt and drought. As a committed researcher, I strive to conduct high-quality research that contributes to the advancement of the field. With my expertise in plant genetic engineering and passion for innovative research.

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#### **MEMBERSHIP:**

- The Egyptian Society of Genetics and Cytology
- The Japanese Society of Soil Science and Plant Nutrition (SSPN)
- The American Society of *In Vitro* Biology

#### **SCIENTIFIC JOURNALS SUBSCRIBED:**

- 1- Journal of the Egyptian Society of Genetic and Cytology.
- 2- Arab Journal of Biotechnology
- 3- Japanese Journal of Applied Sciences
- 4- Japanese Soil Science and plant nutrition
- 5- Editor in the following scientific journals:
  - -Arab Journal of biotechnology (Egypt)
    - Transgenic plant Journal (TPJ)
    - Agricultural and Agronomic Science
    - Genes, Genomes and Genomics
    - Functional Plant Science and Biotechnology
    - Biochemistry, Process Biotechnology and Molecular Biology

(GSB) Global Science Books التابعة لدار النشر الانجليزية

http://www.globalsciencebooks.com

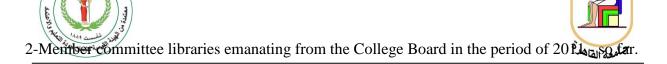




Page	Student Name	Thesis Title	PhD/MSc	Year of Graduation
-	Rabab Gamal H. Abd El- Aleem El-Mergawy	Molecular genetic analysis of salt stress in canola plants ( <i>Brassica napus</i> L.)	MSc.	2007
	Maged Ibrahim I. Abu- Zeid	Study the effect of some genotoxic agents and the protective action of vitamin E at the molecular level	MSc.	2009
	Etr Hussein Kamel Mohamed	Production of transgenic rice plants resistant to stem borer "Chilo agamemnon"	MSc.	2010
	Ahmed Gamal EL- Din Mohie EL-Din Hassan	Genetic studies and propagation of date palm seedlings using tissue culture	MSc.	2010
-	Suzan Mossad Ahmed	Genetic studies on sorghum bicolor	MSc.	2011
-	Nagwa Ibrahim Elarabi	Improvement of salt tolerance in some Egyptian wheat cultivars via gene transfer technology Gene transfer in rice plants	PhD	2013
-	Gomaa Said Ramadan	The use of microsatellite markers in the improvement of local broilers	MSc.	2014
-	Etr Hussein Kamel Mohamed	Production of transgenic canola plants resistance to some insect pests	PhD	2014

### **JOINT COMMITTEES WITHIN THE COLLEGE:**

1- Member of the Committee Establishments emanating from the College Board in the period from 2005 to 2011



#### **TRAINING ATTENDANCE AND ORGANIZING:**

#### **Current training programs at CURP**

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As the director manager of the Biotechnology laboratories, Cairo University Research Park (CURP) one of my duties is to organize and supervise the training programs for undergraduate and postgraduate students as follows:

#### Workshops conducted between September 2018 - February 2019:

# Several workshops were designed for the researches and postgraduate students from all of the Egyptian universities and research institutes as follows:

- 1-Plant tissue culture techniques and application (3-6 September 2018)
- 2 Protein electrophoresis (17-19 September 2018)
- 3- RNA isolation and qPCR analysis (15-17 October 2018)
- 4- Identification of insect at molecular levels (29-31 January 2019)
- 5- Analysis of gene expression (3-5 February 2019)
- 6-The application of molecular markers in breeding programs (10-13 February 2019)
- 7-Fundamental concept of bioinformatics (17-19 February 2019)

#### B)- Undergraduate student training programs:

- 1- Conducting continue training all over the year for students of biotechnology programs (English and Arabic) faculty of agriculture, Cairo University about the recent techniques in molecular biology.
  - 2- Train students of Faculty of Biotechnology University of Modern Sciences and Arts (MSA) about the advanced techniques in biotechnology.
- 3- Train students of faculty of Pharmacy -6 October University about the recent techniques in molecular biology.

#### Previous workshops and training program experience:

- 1-Attend the **International training course** held at Hiroshima university –Japan financed by JICA during the period between October 1995-to September 1996
  - Training course title: Genetic modified crops
- 2. Attend the session for the international introduction in Bioinformatics at the Department of Genetics, which was held in February, 2005, entitled: **Introduction to Bioinformatics**





3. Attend the session concerning international modern techniques in molecular biology at the Genetics Department, which was held in February, 2006, entitled:

#### **Teaching Technology in Advanced Molecular Biology**

- 4. Attend international training course, which was held at the National Center for Research on December 3 to 7, 2005 entitled: International Training Workshop on Plant Biotechnology: A New Promise for Sustainable Development.
- 5. Attend several training sessions in the skill development of faculty members and leaders at the University of Cairo in the period from 2005 to 2012.
- 6. Organizing the training course: Molecular Aspects of salt and drought tolerance in crops, (2007) which have been implemented in the period from September 1 to 8, 2007 in cooperation between the International Center for Genetic Engineering and Biotechnology (ICGEB) and the Genetic Engineering Research Center (GERC) Faculty of Agriculture Cairo University.
- 7 Attend a training course entitled: **the mechanics of a quality assurance system** in the period: 5-6 / 5/2008 Faculty of Agriculture, Cairo University.
- 8 <u>Organizing</u> the training course: Recent advances in biotic stress tolerance in plants, ,(2010) which have been implemented in the period from 13 to 20 February 2010 in collaboration between the International Center for Genetic Engineering and Biotechnology (ICGEB) and the Genetic Engineering Research Center (GERC), Faculty Agriculture Cairo University.
- 9 Participate in the Arab Council for Graduate Studies and Scientific Research, training and teaching programs in the field: plant genetic engineering in the period from 2008 to date.
- 10 Attend a workshop titled "Financial transactions for projects funded by the European Union in the framework of his seventh FP7 organized by the Cairo University Office to coordinate the research cooperation with the European Union in cooperation with the Department of Scientific Research at the University of Cairo (Wednesday 26/01/2011).





# I-JSPS fellowship (<u>Japanese Society for Promotion of Science</u>) from October 2002 to October 2004 (2 Years) at Hiroshima University, Japan.

Visiting Professor, Department of Environmental Dynamics and Management, Graduate School of Biosphere Science, Hiroshima University, 1-4-4 Kagamiyama, Higashi-Hiroshima Hiroshima prefecture 739-8528, Japan

Besides my productive research activities at Hiroshima University, I had a great opportunity to visit a leading industry in grain milling technology, Satake Corporation, National Brewing Research Institute, Hiroshima Prefecture Agriculture Research Station, and several departments particularly molecular area related to my field of research at Hiroshima University. I have also interacted with undergraduate and graduate students and learned about their educational system.

Besides research and educational experience in Japan, the Japanese culture, heritage, language, people's day today life changed my perception of life. The entire sabbatical stay in Japan is positive, and I gained lot of experience in research and personal life.

# II- Postdoctoral fellowship at Purdue University, Indiana, USA from October 2014 till April 2015

My duty is to determine the changes in gene expression in different developmental stages of tomato fruit based on microarray and real time PCR analyses.

# **Research Projects:**

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# \*\* PI of the following research projects:

1-Genetic Engineering of Rice for Rice Blast and Rice Stem Borers.

Financed by the National Academy of Science (2006-2009)

2- Improvement of fungal disease resistance in tomato plants by SOD gene expression.

Financed by Cairo University (2010-2012)

### \*\*Co-PI of the following projects:

- 1-The use of entomopathogenic nematode to control white grub in the sugarcane plantation. Financed by National Sugarcane Council (2006-2009).
- 3- Identification of SSR markers associated with milk production in Egyptian water buffaloes Financed by Cairo University (2013-2014).





- 1-Improvement of drought tolerance and nutritional quality of Canola using genetic engineering (with collaboration with NRC) 2004-2007, Financed by the National Academy of Science
- 2-Improvement of seed quality and nutritional value of *Faba bean* using genetic engineering (with collaboration with NRC) 2004-2007, Financed by the National Academy of Science

#### **PUPLICATIONS:**

#### \*BOOKS:

- 1 With the participation of faculty members, Department of Genetics, Cairo University Genetic note theoretical and practical material for the genetics of the second year students in the faculty.
- 2 With the participation of faculty members, Department of Genetics, Cairo University Introduction to Genetic Engineering: theoretical and practical material for the first year students at the Faculty of Veterinary Medicine Cairo University.
- 3 Book chapters titled: the use of modern methods in drawing turkey genome compared to other species (pages 26-38). As part of a book of Wild Birds / Domestic Turkey Production Part I.

# \*\*PEER-REVIEWED PUBLICATIONS

- 1- Ahmed, T. Y. A., Hussein, M. H., El-Maaty, S. A. ., and **Moghaieb, R. E. A. (2022).** Detection of genetic variation among five basil species by using ISSR, SCOT and SRAP markers. *International Journal of Health Sciences*, 6(S5), 9484–9497. https://doi.org/10.53730/ijhs.v6nS5.9702\
- 2- Naguib, N.M., Yousef, S.S., El-Sharkawy, A., **R. E. Moghaieb** Temraz, T.A., Khashaba, E.H.K.(2022) Genetic polymorphism between and within Mediterranean and Red Sea populations of the green turtle (Chelonia mydas) as revealed by Sequence-Related Amplified Polymorphism (SRAP). *Egyptian Journal of*



- 3- Abaza, N. O., Yousief, S. S., and **Moghaieb, R. E.** (2022). The efficiency of SCoT, ISSR, and SRAP markers for detecting genetic polymorphism among Egyptian barley genotypes. *Journal of Pharmaceutical Negative Results*, 1851-1863.
- 4- Ahmad, J., Ahmed, H., and Moghaieb, R. (2021). Role of Chlorella Vulgaris as A Salt Resistant Barrier for Salt Compromised Crops. *International Journal of Chemistry and Chemical Engineering Systems*, 6.
- 5- **Moghaieb, R. E.,** Ahmed, D. S., Gaber, A., and Abdelhadi, A. A. (2021). Overexpression of bacterial katE gene improves the resistance of modified tomato plant against Fusarium oxysporum f. sp. lycopersici. *GM Crops & Food*, *12*(1), 315-327
- 6- **Moghaieb, Reda EA**, Etr HK Khashaba, Amany M. Abd El Azim, and Sanaa A. Ibrahim. (2021)"Genetic diversity studies and screening for rice stem borer (Chilo Agamemnon) resistance in six Egyptian rice cultivars (Oryza sativa L.) using DNA based-markers." *Genetic Resources and Crop Evolution* 68, no. 6: 2313-2323.
- 7- Awaly, S. B., El-Maaty, S. A., and **Moghaieb, R. E**. (2020). Changes in CAT2, NHX-1 gene expression in tomato under salt stress condition. **Plant Archives**, 20(1), 3201-3207
- 8- Liu, L., Nakamura, Y., Taliman, N. A., Sabagh, A. E., **Moghaieb, R. E.**, & Saneoka, H. (2020). Differences in the Growth and Physiological Responses of the Leaves of Peucedanum japonicum and Hordeum vulgare Exposed to Salinity. *Agriculture*, 10(8), 317.
- 9- Khashaba, E. H., **Moghaieb, R. E.**, Abd El Azim, A. M., and Ibrahim, S. A. (2020). Isolation, identification of entomopathogenic nematodes, and preliminary study of their virulence against the great wax moth, Galleria mellonella L.(Lepidoptera: Pyralidae). *Egyptian Journal of Biological Pest Control*, 30, 1-7.
- 10-Moghaieb, R. E., Khashaba, E. H., & Abdel Azzim, A. M. (2019). The toxicity of Cry1Ia5 transgenic soybean plants against Spodoptera littoralis. *Journal of Plant Protection Research*, 185-192.
- 11-Mai.A.E;Sawsan.S.Y;**Moghaieb.R.E**;Ramadan.G.S;Stino.F.K.R and El-Assal.S(2019), Effects of DL Methionine supplementation to broiler and native chicken feed on the expression of breast muscle and liver genes, *Bioscience Research* .16(3):2805-2820.

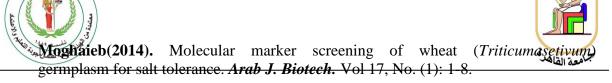




—12 Reham F.M. AL-Gozyer, **Reda E.A. Moghaieb**, Abdelhadi A. Abdallah, Ahmed N.— Sharaf, and Naglaa Abdalla(2018). Characterization of salt tolerance in four halophytic bacteria strain isolated from solar saltern at Alexandria-Egypt. **Bioscience Research**.15, (3):1905-1916.

13-Ramadan, G.S., **Moghaieb, R.E.**, El-Ghamry, A.A., El-Komy, E.M., Stino, F.K.R (2018). Microsatellite marker associated with body weight in local Egyptian broiler line Cairo B2. **Bioscience Research.**15, (4): 3188-3201.

- 14-**Reda E. A. Moghaieb**, Abdelhadi A. AbdelhadiHanan A. El-SadawyNesreen A. T. Allam Baiome Abdelmaguid Baiome; Mohamed H. Soliman (**2017**). Molecular identification and genetic diversity among Photorhabdus and Xenorhabdus isolates. *3 Biotech* 7 (6):1-9. Doi: 10.1007/s13205-016-0594-4.
- 15-Rushdi, H. E. D., **Moghaieb, R. E. A.,** Abdel-Shafy, H., & Ibrahim, M. A. E. A. M. (2017). Association between Microsatellite Markers and Milk Production Traits in Egyptian Buffaloes. *Czech Journal of Animal Science*, 62(9), 384-391.
- 16-El-Kadi, D. A., Darwish, D. S., **Moghaieb, R. E. A.,** and Yacoub, I. H. (2017). Variation and Association among Yield components and Quality Traits of Some Egyptian Bread Wheat Genotypes. *RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES*, 8(3), 2521-2527.
- 17-El-Kadi, D. A., Darwish, D. S., **Moghaieb, R. E. A.,** & Yacoub, I. H. (2017). Variation among some Egyptian wheat genotypes for HMW glutenin and quality traits. Bioscience Research 14 (2), 370-3
- 18-Nermeen Shanan1 and **Reda E A Moghaieb** (2016). Genetic diversity among four genotypes from Hibiscus rosasinensis in relation to drought stress. *Journal of Horticulture and Forestry*, 8(3), 24-31.
- 19- Reda E.A. Moghaieb, Dalia S. Ahmed, Abdel-Hadi A. Abdel-Hadi and Ahmed N. Sharaf (2015). An efficient and reproducible regeneration and transformation protocol in tomato (*Solanum lycopersicum*L.). *Australian Journal of Basic and Applied Sciences*, 9(33): 411-416
- 20- Hashem M.M., Hussein M.H., Moghaieb R.E.A. and Momtaz O.A. (2015). Identification of differentially expressed drought responsive transcripts in Egyptian cotton. *Arab Journal of Biotechnology*. 18: (1), 55-66.
- 21- **Reda E A. Moghaieb**; Etr H. K. Mohammed; Sawsan S. Youssef; and Ahmed M.A. El-Sharkawy(**2014**) Comparing the efficiency of sonication assisted Agrobacterium mediated and particle bombardment for the production of transgenic canola plants. *International Journal of Advanced Research (IJAR)* 2 (10), 200-208.
- 22-Shereen Abu El-Maaty; Nagwa I. El-Arabi; Sawsan S. Youssef and Reda E.A.



23- **Reda E. A. Moghaieb**, Amany M. A. Abdelazim, Sawsan S. Youssef, BasitaA.Husseinand Sanaa A Mohamed (2014).Regeneration and transformation efficiencies among five Egyptian clover cultivars (*Trifoliumalexandrinum*). *International Journal of Advanced Research (IJAR)* 2 (7), 227-233

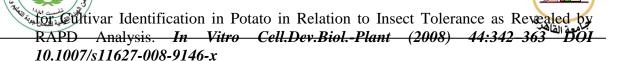
- 24-Ramadan G. S., **R. E. Moghaieb**, A. A. EL-Ghamry, E. M. EL-Komy, F. S. Nassar, Mona M. Ghaly and F. K. R. Stino(2014)Microsatellite Markers Assisted Selection for High Body Weight in Local Broiler Breeders. *International Journal of Advanced Research* 2 (8), 901-910
- 25-Ramadan, G. S.; **Moghaieb, R. E.;** EL-Ghamry, A. A.; EL-Komy, E. M.; Nassar, F. S.; Abdou, A. M.; Mona. M. and Stino, F. K. R.(**2014**). Effect of Selection for High Live Body Weight on Slaughter Performance of Broiler Breeders . *Egy. Poult. Sci.*, 34(1):289-304.
- 26-**Reda E.A.** Moghaieb, Ahmed N. Sharaf, Mohamed H. Soliman Nagwa I. El-Arabi, and Osama A. Momtaz(2014). An efficient and reproducible protocol for the production of salt tolerant transgenic wheat plants expressing the *Arabidopsis AtNHX1* gene. *GM Crops and Food: Biotechnology in Agriculture and the Food Chain* .5 (2):132-138.
- 27-Moghaieb, Reda EA, Etr HK Mohammed, and Sawsan S. Youssief (2014). "Genetic diversity among some canola cultivars as revealed by RAPD, SSR and AFLP analyses." *3 Biotech.* 4(4): 403-410
- 28-Moghaieb, R. EA, Hussein M. H., Ibrahim E.G. and Hassan A.H.M. (2013). Genetic diversity among banana mutants as revealed by SDS-PAGE and RAPD analyses. *Arab J. Biotech. Vol* 16, No. (1): 79-90.
- 29-Nassar F.S., A. M. Abdou, **R. E. A. Moghaieb**, A. M. Abdou, and F. K. R. Stino (2012), "Effects of selection on body weight, productive performance, and genetic measurements in Cairo B-2 line. Poultry Science Association Meeting, Athens, GA, USA. Poultry Science Association Meeting, Athens, GA, U, 2012
- 30-Nassar F.S., A. M. Abdou, **R. E. A. Moghaieb**, A. M. Abdou, and F. K. R. Stino, (2012)"Genetic polymorphism among broiler breeder as revealed by random amplified polymorphic DNA analaysis.",Poultry Science Association Meeting, Athens, GA, USA 2012
- 31-**Reda E.A. Moghaieb**, Abdelhadi A. Abdelhadi and Gamal A.Ghanem(**2012**). The role of genetic makeup of eight diverse tomato genotypes in Fusarium wilt disease resistance. *Arab Journal of Biotechnology*. 15 (1) 99-112.
- 32-Farid. S. Nassar, **Reda E. A. Moghaieb**, A. M. Abdou, and F. K. R. Stino(**2012**). Microsatellite markers associated with body and carcass weights in broiler breeders.



- 33-**Reda E.A. Moghaieb**, Abdel-Hadi A. Abdel-Hadi, and Mohamed Reda A. Ahmed (2011). Genetic stability among date palm plantlets regenerated from petiole explants. *African Journal of Biotechnology*.10 (65) 14311-14318
- 34- Youssef S. S., **Moghaieb R. E.A.**, El-kazzaz A. A., Rady M.R.; Amer A. M. and Saker M.M.. (2011) An efficient and re-producible protocol for regenerating transgenic rice plants. *Arab Journal of Biotechnology*. 14 (2) 269-278.
- 35-Youssef S. S., Moghaieb R. E.A., Rezkalla A. A. and Ahmed S. M. (2011) Application of molecular markers to assess genetic diversity among eight sorghum genotypes. *Arab Journal of Biotechnology*. 14 (1) 101-112.
- 36-Ayman Esh and **R. E.A. Moghaieb** (2011). Analysis of morphological, pathological and genotypic diversity in Cercosporabeticola, from different sugar beet cultivation in Egypt. *Arab Journal of Biotechnology*. 14 (1) 77-88.
- 37-Heidy A.Y., A. Hassan, **R.E.A. Moghaieb**, Mai Hamed and Mohamed Refai(**2011**). Molecular Detection of Fumonisin-Producing Fusarium Species in Horse feeds in Egypt using Polymerase Chain Reaction (PCR). *Journal of Applied Sciences Research*, 7(4): 420-427.
- 38-**Reda E. A. Moghaieb,** Hirofumi Saneoka, and Kounosuke. Fujita(2011). Evaluation of salt tolerance in ectoine transgenic tomato plants (*Lycopersiconesculentum*) in terms of photosynthesis, osmotic adjustment, and carbon partitioning. *Genetic Modified Crops.* 2 (1)58-65.
- 39-Synsuke K., **Reda E. Moghaieb**, H. A. El-Shemy, R. Panigrahi, P. K. Mohapatra, J. Itod, N.T. Nguyena, H. Saneokaa, K. Fujitae (**2011**). Potassium deficiency affects water status and photosynthetic rate of the vegetative sink in green house tomato prior to its effects on source activity. *Plant Science* 180: 368–374.
- 40- **Reda E. A. Moghaieb,** Abdel-Hadi A. Abdel-Hadi andNeveen B. Talaat (2011) Molecular markers associated with salt tolerance in Egyptian wheats. *African Journal of Biotechnology* Vol. 10(79), pp. 18092-18103.
- 41- Momtaz O.A.; Hashem Mai M., **Reda E. A. Moghaieb** and Hussein Mona H. (2010) Genetic Polymorphism among some Egyptian rice genotypes as revealed by RAPD, SSR and AFLP analyses. *Arab J. Biotech* 13 (2): 173-184
- 42-Moghaieb R. E.A.(2010) Transgenic rice plants expressing CryI1a5 gene are resistant to stem borers (*Chiloagamemnon*) Genetic Modified Crops. 1 (5)288-293.
- 43-**Reda E.A. Moghaieb**, Abdel-Hadi A. Abdel-Hadi, Mohamed Reda A. Ahmedand Ahmad G. M. Hassan (2010). Genetic diversity and sex determination in date palms (*Phoenix dactyliferaL*.) based on DNA markers. *Arab J. Biotech* 13 (2) 143-156.

**Reda** E.A. Moghaieb; NeveenB.Talaat, Abdel-Hadi A. Abdel-Hadi, Sawsan S. Youssef and Ahmed.M. El-Sharkawy(2010)Genotypic variation in salinity tolerance among Egyptian bread (*T. aestivum*) and pasta (*T. durum*) wheat. *Arab J. Biotech*.. 13, (1): 125-142.

- 45- **Reda E.A. Moghaieb**, Nagwa I. El-Arabi, Osama A. Momtaz, Sawsan S. Youssef and Mohamed H. Soliman(**2010**) Genetic transformation of mature embryos of bread (*T. aestivum*) and pasta (*T. durum*) wheat genotypes. *Genetic Modified Crops* 1:2, 87-93.
- 46-Ahmed M. El-Sharkawy, Sawsan S. Youssef, **Reda E. A. Moghaieb**, EmanSobhy , Rabab G. El Mergawy, and Etr H.K. Mohammed (**2009**). Cultivar identification and genetic fingerprinting of some apricot (Prunusarmeniaca) cultivars using biochemical and molecular markers. *Journal of Applied Science Research*. 5(6): 864-870
- 47-**Reda E.A. Moghaieb**, Sawsan S. Youssef, Etr H.K. Mohammed and Abd El-Salam E.Draz(2009). Genotype Dependent Somatic Embryogenesis from Egyptian Rice Mature Zygotic Embryos. *Australian Journal of Basic and Applied Sciences* 3(3): 2570-2580.
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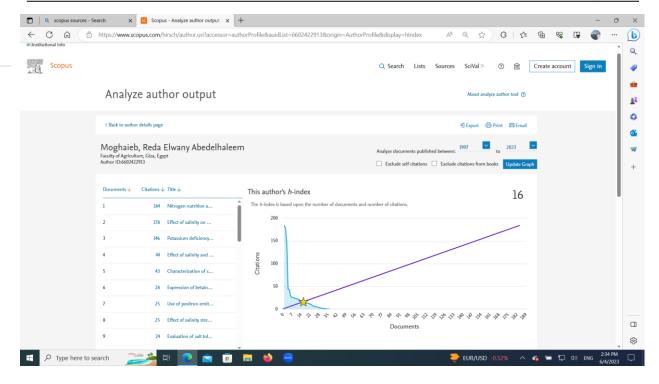
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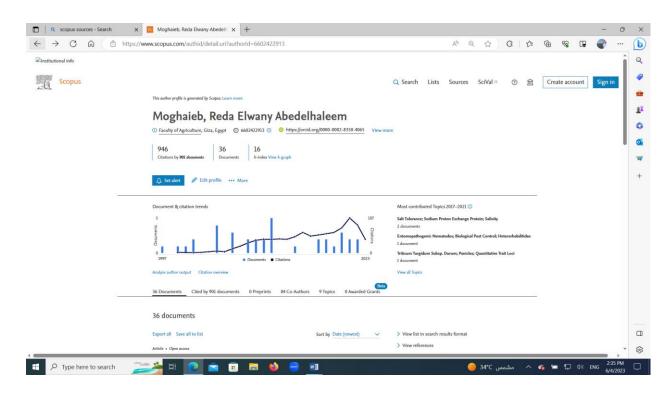
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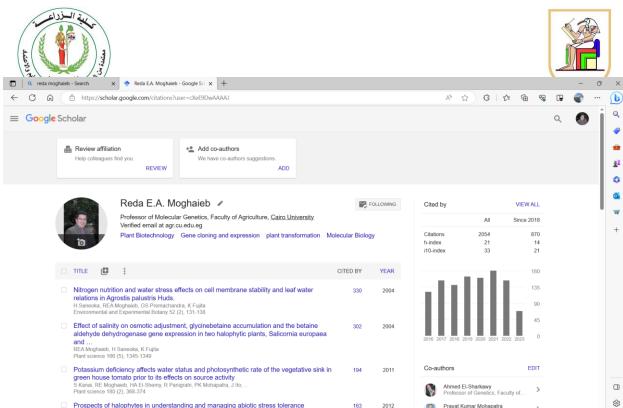








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