



Shereen Abu-El-Maaty Mohamed

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OBJECTIVE

Improvement of agricultural production in Egypt to help in filling the nutritional gap, especially under increasing of temperature, drought and salinity worldwide.

SUMMARY OF EXPERIENCE

Teaching experiences: I have more than 15 years' experience in teaching different genetic courses such as Population genetics, Cytogenetic, Principles of genetics, molecular genetics and applied genetics.

Main responsibility is undergraduate and post graduate teaching, mentoring and supervising the graduate research of several MSc and PhD students.

Research duties: My research focused upon studying genetic diversity in plants using molecular markers, analysis of gene expression under environmental stresses using different molecular biology techniques and gene isolation and cloning. Also, I have experience in proposal writing for research grants, administration services and research paper writing.

Quality assurance experiences: I have worked as quality coordinator in Genetic department and prepare files for quality.

SKILLS AND KEY STRENGTH

- Good analytical skills and ability to work to deadlines, strong time management.
- Leadership, Teamwork, Good interpersonal skills; strong communication skills, ability to work collaboratively with various colleagues and work under pressure.
- Extensive experience in research.
- Solid computer skills.

WORK EXPERIENCE

- 2019- until now** : Associate Professor, Department of Genetics, Faculty of Agriculture, Cairo University, Giza, Egypt.
- 2011- 2019** : Lecturer, Department of Genetics, Faculty of Agriculture. Cairo University, Giza, Egypt.
- 2005 – 2010** : Teaching Assistant, Department of Genetics, Faculty of Agriculture, Cairo University, Giza, Egypt.
- 1999 - 2005** : Demonstrator, Department of Genetics, Faculty of Agriculture, Cairo University, Giza, Egypt.

EDUCATION

1. Ph.D. in Genetics. 2010. Development of genetically modified strains of Egyptian wheat tolerant to environmental stress (salinity and drought) by genetic engineering, Cairo University, Egypt.
2. M.Sc., in Genetics. 2005. Genetic analysis of gamma-ray-induced Sesame (*Sesamum indicum* L.) mutants, Cairo University, Egypt.
3. B.Sc. in Agricultural Sciences (Biochemistry). 1999. Cairo University, Egypt.

MEMBERSHIP

- The Egyptian society of genetics and cytology.

ACTIVITIES

- Deputy manager of Biotechnology Laboratory, Research Park, Faculty of Agriculture, Cairo University from 2019.
- Participated as a organizer for training Course in gene expression analysis Organized by Molecular Biology lab in Research Park, Faculty of Agriculture, Cairo University (27-28 August, 2019).
- Member of the Committee for Environment and Society Affairs (2018-2019).
- Quality coordinator for the genetics department from 2016\2017 until now.
- Participated as a member in the control of the Biotechnology programme (2017-2018 until now).
- Supervisor of research projects for students of biotechnology in English and Arabic programme.
- Currently, I am supervising three masters and three doctoral thesis in genetics department, Faculty of Agriculture, Cairo University.
- Participate as Co-PI in a research project between Cairo University and STDF entitled: Isolation of stress-inducible transcription factor (AtCBF3/AtDREB1A) and lipid transfer AtLTP1 (drought induced - DIL) like genes from Egyptian halophytes and use it separately to improve tomato resistance to drought, salinity and cold.

TRAINING COURSES

1. Training Course in International publication of scientific research, Organized by Faculty and Leadership Development Center, Cairo University, Egypt. (14-15 February, 2018).
2. Training Course in preparing competitive projects to fund research, Organized by Faculty and Leadership Development Center, Cairo University, Egypt. (20 -21 September, 2016).

3. Training Course in Competing For Research Funds, Organized by Faculty and Leadership Development Center, Cairo University, Egypt. (20-21 January, 2016).
4. Training Course in Methods of creativity and scientific thinking, Organized by Faculty and Leadership Development Center, Cairo University, Egypt. (9-10 September, 2015).
5. Training Course in Managing Research Teams, Organized by Faculty and Leadership Development Center, Cairo University, Egypt. (18-19 June, 2014).
6. Training Course in Use of Technology in Teaching, Organized by Faculty and Leadership Development Center, Cairo University, Egypt. (26-27 February, 2014).
7. Training Course in Legal and Financial Aspects in University Environment, Organized by Faculty and Leadership Development Center, Cairo University, Egypt. (11-12 September, 2013).
8. Training Course in E-Learning, Organized by Faculty and Leadership Development Center, Cairo University, Egypt. (12-14 January, 2013).
9. Training Course in Quality Standards in Teaching, Organized by Faculty and Leadership Development Centre, Cairo University, Egypt. (18-22 May, 2011).
10. Training Course in Student Evaluation, Organized by Faculty and Leadership Development Center, Cairo University, Egypt. (5-3 January, 2011).
11. Training Course in English language, organized by British Council, Egypt. 19 February -21, 2010.
12. Training Program in computer skills, Faculty of Agriculture, Cairo University, Egypt. (3-28 July, 2010).
13. Training Course in English language, organized by British Council, Egypt. 21 July -1, 2009.

14. Training Course in Introduction to Molecular Biology Techniques. Organized by the Agricultural Genetic Engineering Research Institute (AGERI), 17-28 April, 2004.

CONFERENCES AND WORKSHOPS

1. 1st international conference on Sustainable Development in Egypt, Organized by Faculty of Agriculture, Cairo University, Egypt. (10 October, 2016).
2. Workshop in Uses of Modern Techniques in Agriculture, Organized by National Research center, Desert Research Center and EBIC Cairo, Egypt.(8 -10 October,2016).
3. Workshop in Effectively guide and support students, Organized by Faculty of Agriculture, Cairo University, Egypt. (26-27 January, 2016).
4. Workshop in Bioinformatics, Organized by Molecular Biology lab in Research Park, Faculty of Agriculture, Cairo University, Egypt. (11-14 October, 2014).
5. 1st international conference for GM crops and foods, Organized by Faculty of Agriculture, Cairo University, Egypt. (27-29 November, 2012).
6. 1st international Egyptian-Jordanian conference under the theme of (Biotechnology and Sustainable Development: Current Status and Future Scenarios), Organized by National Research centre, Cairo University, Egypt.(11-14 December,2006)
7. Workshop in Introduction to Bioinformatics, Organized by Fulbright Commission and Faculty of Agriculture, Cairo University, Egypt. (17-27 February, 2005)
8. Workshop in Teaching modern technology in gene transfer and tissue culture, Organized by Higher Education Enhancement Project Fund (HEEPF) and Cairo University, Egypt. (26 February- 3 March, 2005).

PUBLICATIONS

- 1) **Abu El-Maaty, Shereen M.**, Hussein, Ebtissam H. A .and Hussein, H.A. (2006). Biochemical and molecular genetic analysis of gamma-ray induced sesame (*Sesamum indicum* L.) mutants. First International Egyptian Jordanian Conference on Biotechnology and Sustainable Development: Current Status and

- Future Scenarios, National Research Center. Cairo, Egypt. (Decamber 11-14. 2006). (Poster).
- 2) Hashem A. Hussein, Ebtissam H. A. Hussein, Ahmed Bahieldin, Hala F. Eissa and **Shereen M. Abu El-Maaty**.(2012). Development of wheat transgenic plants harboring the *HAL2-like* Gene for salinity tolerance. First International Conference for GM Crops and Food, Faculty of Agriculture, Cairo University. Cairo, Egypt. (November 27-29. 2012). (Poster).
 - 3) **Abu El-Maaty, S.**; Elarabi, Nagwa I.; Youssef S. S. and Moghaieb, R. E. A. (2014). Molecular marker screening of wheat (*Triticum aestivum*) germplasm for salt tolerance. Arab J. Biotech., 17(1):59-72.
 - 4) Abd-Rabo, F. H. R; Elshaghabee, F.M.F.; Sakr, S. S.; Elarabi, Nagwa I. and **Abu El-Maaty, S.** (2018). Evaluation of the impacts of different dietary fats on biochemical and histological parameters and gene expression of lipogenesis-related genes in rats. Food Bioscience, (accepted). (Impact factor 3.22).
 - 5) Harb, A. H.; **Abu El-Maaty, S.**; Drawish, D.S.; Shrief, S.A. and Khater, M.S. (2019). Phenotypic and molecular characterization of M3 lentil lines selected from laser and gamma irradiated Egyptian cultivare. Bioscience research, 16(1):337-348.
 - 6) Mahmoud, A. M.; **Abu El-Maaty, S.**; Osman, N. H. and Al-Azab, K.F.(2019). Determination of suitable gamma-ray dose for mutation induction in garlic (*Allium sativum* L.) and identification of genetic diversity by RAPD and ISSR markers. Arab J. Biotech., 22(1):25-42.
 - 7) **Abu El-Maaty, S.**; El-Arabi, N. I.; Abdallah, I. and El-Khanagry, S.(2019). Genetic diversity among some broomrape (*Orobanch*) species from Egypt using SRAP and ISSR markers. Arab J. Biotech., 22(1):63-78.
 - 8) **Abu El-Maaty, S.** (2019). Genetic diversity among some Egyptian barley (*Hordeum vulgare* L.) cultivars based on protein and RAPD markers. J. Agric. Chem. and Biotechn., Mansoura Univ., 10(5): 113 – 117.

PERSONAL SKILLS & COMPETENCES

MOTHER TONGUE:	ARABIC
OTHER LANGUAGES:	ENGLISH
• Reading skills	Excellent
• Writing skills	Excellent
• Verbal skills	Very Good

References

Ebtissam Hussein Aly	Professor of genetics, Department of Genetics, Faculty of Agriculture Cairo University, Giza, Egypt. drebtissamhussein@yahoo.com
Naglaa Abd El-moneem	Professor of genetics, Department of Genetics, Faculty of Agriculture Cairo University, Giza, Egypt. naglaa_a@hotmail.com
Reda. E. Moghaieb	Professor of genetics, Department of Genetics, Faculty of Agriculture Cairo University, Giza, Egypt. reda@agr.cu.edu.eg

PERSONAL DATA

Gender	Female
Nationality	Egyptian
Date of Birth	05-06-1978
Marital Status	Married
Address	12 Youseif street, Helwan, Cairo, Egypt.