

Curriculum Vita

Ahmed Mohamed Abdelmoghny, Ph.D

(B.Sc. & M.Sc.)

**Senior Researcher (Cotton Breeder),
Cotton Breeding Department,
Cotton Research Institute (CRI),
Agricultural Research Center (ARC),
Giza, Egypt.**



PERSONAL DATA

Citizenships: Egyptian

Sex: Male

Date of Birth: 2nd July, 1979

Place of Birth: Benha, Kalubia, Egypt.

Marital Status: Married, (two kids)

Languages: - Arabic (mother tongue),
- English, fluency in speaking, reading & writing.

Use of PC: Excellent knowledge in using computer and information technology skills, (windows operation system, data processing and analysis, internet browsers, electronic-mail and networks, etc).

Residential Address: 8, Ahmed Abd El-Magowd St., Haddak El-Qubba, Cairo, Egypt.

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CURRENT POSITION:

Senior Researcher (Cotton breeder),
Cotton Breeding Department,
Cotton Research Institute (CRI),

Agricultural Research Center (ARC),
9, Cairo University St., Giza, Egypt.

ACADEMIC QUALIFICATIONS

Ph.D. (2011): Cotton genetics / Genetics, Faculty of Agriculture, Zagazig University, Zagazig, Egypt.

Thesis Title: Genetic studies on nitrogen use efficiency and its effect on cotton yield.

M. Sc. (2006): Cotton genetics / Genetics, Faculty of Agriculture, Zagazig University, Zagazig, Egypt.

Thesis Title: Genetic consequences of incorporating foreign genes into some Egyptian cottons.

B. SC. (2000): Faculty of Agriculture (Moshtohor), Benha University, Benha, Kalubia, Egypt.

EXPERIENCE (POSITION HELD & ACADEMIC STATUS):

2017 up to date Senior Researcher, Cotton Breeding Department, Cotton Research Institute (CRI), Agricultural Research Center (ARC), Giza, Egypt.

2011-2017 Researcher, Cotton Breeding Department, Cotton Research Institute (CRI), Agricultural Research Center (ARC), Giza, Egypt.

2009-2011 Assistant Researcher, Cotton Breeding Department, Cotton Research Institute (CRI), Agricultural Research Center (ARC), Giza, Egypt.

2001-2009 Agricultural Engineering, Cotton Breeding Department, Cotton Research Institute (CRI), Agricultural Research Center (ARC), Giza, Egypt.

Main Duties and Responsibilities:

Skills of Traditional Breeding:

1. Breeding new superior cotton varieties for both yield and fiber quality to fulfill the requirements of cotton farmers, national industry and export promotion.
2. Working on genetics of qualitative and quantitative cotton characters.
3. Major experience in Breeding and Production fields of Egyptian long staple cotton varieties.
4. One of the teamwork producing long staple cotton variety Giza 94.
5. One of the teamwork producing long staple cotton promising crosses Giza 89 x Giza 86, Giza 75 x Sea, Giza 89 x S6 and [(Giza 89 x Giza 86) x Kar] x Giza 94 .
6. Evaluate new promising cotton hybrids under different Number of Delta Governorates to design cotton variety map.
7. Eliminate off-types from cotton breeding fields and propagation Fields.
8. Preservation and characterization of gene bank germplasm.

9. Producing breeder cotton seeds in Egypt.
10. Used biometrical techniques in cotton breeding programme.
11. Designed and analyzed agricultural experiments.
12. Participant in the national campaign for the advancement of Egyptian cotton crop.
13. Field days in the cotton growing governorates.
14. Responsible for carrying out the experiments of evaluating new breeds and crosses in Menoufia Governorate since 2003.
15. Responsible for extension of cotton varieties in Sharkia Governorate since 2012 through the national campaign to promote cotton crop.

Skills of Molecular Breeding:

1. Isolate DNA and RNA from cotton.
2. Using molecular marker techniques in cotton breeding especially under drought stress.
3. Using DNA molecular markers i.e. RAPD, ISSR and SSR under drought stress.
4. Primer design for some specific cotton genes.
5. Using real time PCR to quantify cotton gene expression under drought stress.
6. Analyzing molecular data using different software like; DAR win and Power Marker.

LIST OF PUBLICATIONS:

1. **Abdelmoghny, A. M.;** H. B. Santosh; K. P. Raghavendra; Sheeba, A. J.; Suman B. Singh, and K. R. Kranthi. **2018.** Morphological, physiological, biochemical studies and quantification gene expression under drought stress in upland cotton. ICAC-13th Meeting of the Inter-Regional Cooperative Research Network on Cotton for the Mediterranean and Middle East Regions Luxor, Egypt, February 2-6.
2. **Abd El-Moghny, A. M.;** H. B. Santosh; K. P. Raghavendra; Sheeba, A. J.; Suman B. Singh, and K. R. Kranthi. **2017.** Microsatellite marker based genetic diversity analysis among cotton (*G. hirsutum*) lines differing for their response to drought stress. J. Plant Biochemistry Biotechnology. 26 (60): 366-370. (IF 1.352).
3. **Abd El-Moghny, A. M.** **2016.** Genetic analysis and prediction of new recombination in some cotton (*G. barbadense* L.) crosses. J. Agric. Res. Kafr El-Sheikh Univ. A. Plant Production, 42 (3): 319-335.
4. **Abd El-Moghny, A. M.;** Mariz, S. Max and M. H. M. Orabi. **2016.** Genetic variability in segregating generations of some cotton crosses. Egyptian J. Plant Breeding, 20 (3): 507-527.

5. **Abd El-Moghny, A. M.**; Mariz, S. Max and Reham, H. A. Gibely. **2015**. Nature of genetic divergence among some cotton genotypes. *J. Cotton Sci.* 19:368–374.
6. **Abd El-Moghny, A. M.**; Reham H. A. O. Gibely and Mariz, S. Max. **2015**. Genetic variation and association between some agronomic, chemical seed component and seedling vigour some Egyptian cotton varieties. *Bull. Fac. Agric., Cairo Univ.* 66: 390-399.
7. **Abd El-Moghny, A. M.** and Mariz, S. Max. **2015**. Genotypic stability and phenotypic adaptability for some yield traits in some long staple cotton genotypes. *Egypt. J. Agric. Res.*, 93 (1): 85-100.
8. Reham, H. A. Gibely; Mariz, S. Max and **A. M. Abd El-Moghny**. **2013**. Genetic polymorphism in leaf shape and its relation to cotton yield. *Egyptian J. Plant Breeding*, 17(3): 1-11.
9. **Abd El-Moghny, A. M.**; S. M. Abd El-Sayyed; E. M. Mahgoub and M. A. Raafat. **2011**. Genetic assessment of nitrogen use efficiency in cotton. *Zagazig J. Agric. Res.*, 38 (2): 403-416.
10. Abd EL-Sayyed, S. M; E. M. Mahgoub; M. A. Raafat and **A. M. Abd EL-Moghny**. **2006**. Genetic effectiveness of clustering analysis in selecting some promising BC₁ plants in cotton. *Zagazig J. Agric. Res.*, 33 (1): 71-82.

Membership of Institutions, Associations:-

1. Egyptian Plant Breeding Association.
2. International Cotton Researchers Association (ICRA).
3. International Cotton Advisory Committee (ICAC).
4. Egyptian Society of Genetics.
5. Editorial Board Members of Research in Agriculture Journal.

PROFESSIONAL TRAINING COURSES:-

- 21nd April–11th May, 2017. Training Course on Cotton Processing, Textile and Trade for Development Countries. China-Europe Vocational Training Center (CEVTC), Wuhan, China.
- 27th-28th February, 2017. Training on EU Funded Research Programmes. Agricultural Research Center (ARC), Giza, Egypt.

4th-8th September, 2016. Scientific Writing Workshop. Egyptian National Agricultural library (ENAL), Dokki, Giza, Egypt.

1st June-25th November, 2015 Postdoc. Genetic, Physiological and Molecular Basis of Drought Tolerance in Cotton. Central Institute for Cotton Research (CICR), Nagpur, India.

8th-19th March 2015, Egypt, international course on Theoretical and Practical Course “Molecular Plant Breeding for Crop Improvement” Agricultural Genetic Engineering Research Institute (AGERI), Agricultural Research Center (ARC), Egypt.

19th-23rd July 2013, Turkey, 2nd International Course on Genbank Management and Biodiversity Conservation, International Agricultural Research and Training Center (IARTC), Menemen, Izmir, Turkey.

27th March 2013, Egypt, Project Management, Advanced Training for Alumni Within the DAAD Kairo akademie, Agricultural Research Center (ARC), Egypt.

23rd December 2012 – 3rd Jan 2013, Egypt, Analyzing Agricultural Experiments by Using Minitab Programme. Central Laboratory for Design and Statistical Analysis Research, Agricultural Research Center (ARC), Egypt.

19th-23rd November 2006, Egypt, Cotton Production and Fiber Quality. Arab Organization for Agriculture Development and Ministry of Agriculture and Land Reclamation, Giza, Egypt.

10th-19th December 2005, Egypt, Cotton Breeding, Production and Fiber Quality. Cotton Research Institute (CRI), Agricultural Research Center (ARC), Giza, Egypt.

23rd March-10th April 2004, Egypt, Cotton Breeding and Production. Cotton Research Institute (CRI), Agricultural Research Center (ARC), Giza, Egypt.

1st-13th March 2003, Egypt, Cotton Breeding and Production. Cotton Research Institute (CRI), Agricultural Research Center (ARC), Giza, Egypt.