



DR. MOHAMMED ABDEL-AZIZ ABDEL-HALIEM SAYED

Agronomy Dept., Faculty of Agriculture, Assiut University, Assiut, P.C. 71526 Egypt
Email: msayed@aun.edu.eg or m_abdelaziz59@yahoo.com

PERSONAL DATA

Gender	Male
Nationality	Egyptian
Religion	Muslim
Date of Birth	March 21, 1978
Place of Birth	Assiut, Egypt
Marital Status	Married
Military Status	Exempted



SUMMARY OF QUALIFICATIONS

PH.D. IN PLANT BREEDING (CROPS GENETICS AND BIOTECHNOLOGY FIELD, 2011)

Thesis Title: "QTL Analysis for Drought Tolerance Related to Root and Shoot Traits in Barley (*Hordeum vulgare* L.).

Place of Graduate: Plant breeding dept., Institute of Crop Science and Resource Conservation (INRES). Faculty of Agriculture, Bonn University, Bonn, Germany

M. SC. IN AGRONOMY "PLANT BREEDING" (2003)

Thesis Title: "Heterosis and Line x Tester Analysis of Combining Ability in Grain Sorghum (*Sorghum bicolor* (L) Moench)".

Place of Graduate: Agronomy Dept. Faculty of Agriculture, Assiut University, Assiut, Egypt.

B. SC. IN AGRICULTURE SCIENCE (AGRONOMY) (1999), Grade: Excellent with honor degree

Place of Undergraduate: Agronomy Dept. Faculty of Agriculture, Assiut University, Assiut, Egypt.

RELEVANT EXPERIENCE

Since Nov. 1999. I have been help in teaching some practical courses such as Crop Production, Plant Breeding, principles of Crop Production, Crop Physiology, seed testing, statistics and experimental design. QTL mapping, Genetic resources and acclimatization.

Practical training in the field.

EMPLOYMENT

- Associate Professor (26th April 2017 till now)



DR. MOHAMMED ABDEL-AZIZ ABDEL-HALIEH SAYED

Agronomy Dept., Faculty of Agriculture, Assiut University, Assiut, P.C. 71526 Egypt
Email: msayed@aun.edu.eg or m_abdelaziz59@yahoo.com

- **Assistant Professor (Lecturer)** at Agronomy Department, Assiut University (30th Oct. 2011 till 26th April 2017)
- **Assistant Lecturer** at Agronomy Department, Assiut University (June 2003 till Oct 2011).
- **Demonstrator** at Agronomy Department, Assiut University (October 1999 to Mai 2003).

RELATED EXPERIENCE

Very good experience in readymade packages: (Windows 7 and 10)
Microsoft Office 2003, 2007, 2010 and 2016 (Word, Excel, Power Point)
Some statistical analysis in SAS software, Origin 6.2, Past Software, SPSS Software, MAPCHART and AMOS.

PUBLICATIONS AND PAPERS

1. Bahaa E. S. Abd El-Fatah; **Mohammed A. Sayed** and Sahar A. El-Sanusy (2020). Genetic analysis of anther culture response and identification of QTLs associated with response traits in wheat (*Triticum aestivum* L.). **Molecular Biology Reports** (2020) 47:9289–9300.
2. Ahmed, A.A.; M.B. Tawfelis; **M.A. Sayed**; R.E. Mahdy and M.O. Mostafa (2020) Stability Analysis of Bread Wheat Genotypes for Heading Time and Grain Yield Using AMMI Model. *Assiut J. Agric. Sci.*, 51 (2) 2020 (24-42)
3. M.A. Attia and **M.A. Sayed** (2019) Rapid selection of high yielding and early maturing s₁ families of sunflower through multivariate analysis. *Egypt. J. Plant Breed.* 23(2):309– 322.
4. **M.A. Sayed**; M. Abo Zaid and M.B. Ali (2019) Mapping QTL and epistatic effects for powdery mildew, leaf rust and net blotch resistance in barley. *Egypt. J. Plant Breed.* 23(2):289– 307.
5. Ali, M.B. and **M. A. Sayed** (2019) Stability analysis and heritability of a doubled haploid population of Barley (*Hordeum vulgare* L.). *Egypt. J. Agron.* Vol. 41, No. 1, pp. 47-58.
6. Ahmed, A.A.; M.A. Bakheit ; **M.A. Sayed**; Rasha E. Mahdy and Shahat S. Abo Elwafa (2018) Pedigree Selection to Improve the Seed Yield in Two Segregating Populations of Faba Bean (*Vicia faba* L.). *Assiut J. Agric. Sci.*, (49) No. (2)(15-37)
7. Mahdy, Ezzat E., Atif Abo-Elwafa Ahmed, G.H. Abd El -Zaher*, **Mohammed A.**



DR. MOHAMMED ABDEL-AZIZ ABDEL-HALIEM SAYED

Agronomy Dept., Faculty of Agriculture, Assiut University, Assiut, P.C. 71526 Egypt
Email: msayed@aun.edu.eg or m_abdelaziz59@yahoo.com

- Sayed** and Mohamed. G. Hosein (2018) Genetic Analysis of Earliness and Lint Yield under Normal and Late Sowing Dates in Egyptian Cotton. Egypt. J. Agron. Vol. 40, No. 1, pp. 31 - 44
8. Ali, Mohamed B., Emad M.M. Salem* and **Mohammed A. Sayed** (2017) Genetic Variability of Barley (*Hordeum vulgare* L.) Genotypes in Phytoremediation of Heavy Metals-Contaminated Soil. Egypt. J. Agron. Vol.39, No.3, pp. 383 - 399
 9. Mahdy, Ezzat E., Atif Abo-Elwafa Ahmed, G.H. Abd El -Zaher*, **Mohammed A. Sayed** and Mohamed. G. Hosein (2017) Genetic Analysis of Seed Cotton Yield and its Attributes under Early and Late Plantings. Egypt. J. Agron. Vol.39, No.3, pp. 307 - 320
 10. Mahdy, E.E.; A. Abo-Elwafa; G.H.Abd El-Zaher; **M.A. Sayed** and M.G. Hosein (2017) Tolerance of Egyptian Cotton Varieties (*G. barbadense* L.) to Late Planting. Assiut J. Agric. Sci., (48) No. (3) 2017 (34-53)
 11. Mahdy, E.E.; A. Abo-Elwafa; G.H. AbdEl -Zahe; **M.A. Sayed** and M. G. Hosein (2017) A Study of Phenotypic and Genotypic Correlations and Path Analysis of Seed Cotton Yield Components in Egyptian Cotton Varieties (*G. barbadense* L.) .Assiut J. Agric. Sci., (48) No. (3) (54-66)
 12. **Sayed, M. A.**; A. N. El-Sadek; B. A. Bakry; M.B. Ali; J. Leon and E. M. Salem (2017) QTL analysis in barley across environments in Egypt. Egypt.J.Agron. Vol.39, No.1, pp.53- 70.
 13. **Sayed, M. A.**; A. Hamada A. A. Naz and J. Léon (2017) Genetic mapping reveals novel exotic QTL alleles for seminal root architecture in barley advanced backcross double haploid population, **Euphytica** 213 (1).
 14. **Sayed, M.A.** and M.T. Said (2016) Estimation of Heterosis and Combining Ability Effects on Grain Yield and Some Agronomic Traits of Sorghum under Three NPK Fertilizers Levels, Egyptian Journal of Agronomy. 38(2): 257-278.
 15. **Sayed, M. A.** and R. E. Mahdy (2016) Heterosis and Genetic Parameters in Grain Sorghum Under Irrigation and Drought Stress Environments. Egyptian Journal of Plant Breeding. 20(3): 561-579.
 16. **Sayed, M. A.** (2016) Multivariate Analysis for Drought Tolerance Indices of Grain Sorghum Hybrids and Their Parents. Egyptian Journal of Plant Breeding. 20(3): 581-599.
 17. **Sayed, M. A.** and I. M. Bedawy (2016) Heterosis and Inheritance of Some Physiological Criteria Imparting Drought Tolerance of Grain Sorghum in The



DR. MOHAMMED ABDEL-AZIZ ABDEL-HALIEM SAYED

Agronomy Dept., Faculty of Agriculture, Assiut University, Assiut, P.C. 71526 Egypt
Email: msayed@aun.edu.eg or m_abdelaziz59@yahoo.com

Irrigated and Water-limited Environments. Egyptian Journal of Agronomy. 38(2):293-318

18. Sayed, M. A. (2016) The relationship between yield and each of its attributes and some physiological traits in grain sorghum under well-watered and drought stress conditions, Egyptian Journal of Plant Breeding. 20 (5):773-

19. Sayed, M. A. and J. Léon (2016) QTL analysis for drought tolerance in barley at newly reclaimed soils in Egypt. Egyptian Journal of Plant Breeding. 20 (5):

20. M. B. Ali, A. N. El-Sadek, M. A. Sayed, M. A. Hassaan, (2015) AMMI biplot analysis of genotype × environment interaction in wheat in Egypt. Egyptian Journal of Plant Breeding 19(6): 1889-1901.

21. Mahdy E. E.; A. A. Ismail; A. A. El-Shimy; M. A. Sayed and Aya Salah (2015) Pedigree Selection for Earliness in Sesame, Egypt.J.Plant Breed., Egypt.J.Plant Breed., 19(2), 323-336.

22. Mahdy E. E.; Abdelazeem A. Ismail; Abdeen A. EL-Shimy; M. A. Sayed and Aya Salah (2015) Pedigree selection to improve seed yield in sesame, Egypt.J.Plant Breed, Egypt.J.Plant Breed., 19(2):337-353

23. Md. Arifuzzaman; M. A. Sayed; S. Muzammil; K. Pillen; H. Schumann; A. A. Naz; J. Le´on (2014) Detection and validation of novel QTL for shoot and root traits in barley (*Hordeum vulgare* L.), **Molecular Breeding**, Springer, Volume 34, Issue 3, pp 1373-1387, <http://link.springer.com/article/10.1007%2Fs11032-014-0122-3>, October 2014

24. Sayed, M. A., H. Schumann, K. Pillen, A. A. Naz and J. Léon (2012) AB-QTL analysis reveals new alleles associated to proline accumulation and leaf wilting under drought stress conditions in barley (*Hordeum vulgare* L.), **BMC Genetics**, Springer, 13, 61, <http://link.springer.com/article/10.1186%2F1471-2156-13-61>, July 2012

25. Abo-Elwafa A., T.A. Ahmed, E.A. Hassaballa, M.A. Sayed (2005) Heterosis and line x tester analysis of combining ability in grain sorghum (*Sorghum bicolor* L. Moench) Assiut Journal of Agricultural Science. 36(1) 159-175.



DR. MOHAMMED ABDEL-AZIZ ABDEL-HALIEH SAYED

Agronomy Dept., Faculty of Agriculture, Assiut University, Assiut, P.C. 71526 Egypt
Email: msayed@aun.edu.eg or m_abdelaziz59@yahoo.com

Arabic: native language
English-speak, read and write very good
Germany-speak, read, and write with basic competence

MEMBERSHIPS

Member of Egyptian Society of Crop Science

WORKSHOPS AND CONFERENCES

1. Postdoctoral fellowship at Gene Bank Department., The Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Germany. From 17th April 2021 till now.
2. Attending the training program for scientific missions 2020-2021- during the period from January 20 to January 31, 2021. **National Training Academy (NTA)** - Cairo Egypt.
3. The 11th International Plant Breeding Conference 17-18 October 2017 (Role of Plant Breeding to Increase Crop Production Under Limited Recourses). Crop Science Dept., Faculty of Agriculture, Kafrelsheikh University, Egypt
4. 7th Scientific Conference of Agricultural Sciences, The period 30-31 October 2016, Faculty of Agriculture, Assiut University, Egypt.
5. Postdoctoral fellowship at plant breeding dept., INRES, Faculty of Agriculture, Bonn University, Germany. From 21st March 2016 to 20th September 2016.
6. The First Assiut International Conference of Horticulture (A 1CH). The period 24th-27th, 2013. Faculty of Agriculture, Assiut University, Egypt.
7. 6th Scientific Conference of Agricultural Sciences, The period 13-14 October 2012, Faculty of Agriculture, Assiut University, Egypt.
8. 10-GPZ Haupttagung. Innovations in Breeding Methodology. The period 15-17 März 2010, Freising – Weihenstephen, Germany.
9. GFP: Öffentliche Sitzung der Abteilung Getreide. The period 16 -17 Juni 2009, Lehr-und Forschungsstration, Dikopshof. Germany.