Dr/Ahmed Ali Abd El Maksoud El Hosary

Professor of plant breeding and Head of Agronomy Department,
Faculty of Agriculture, Benha Univeristy, Egypt.

☎ 01006745360
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✉ ahmed.alhossary@fagr.bu.edu.eg
https://www.bu.edu.eg/staff/ahmedalhossary6

Personal informations:

Date of Birth: 1st December .1983, Tanta, EL-Gharbia Egypt.

Nationality: Egyptian.

Marital status: Married.

Education:

Doctor of Philosophy “2011”

Grade: Excellent (honors)

Agronomy (Crop Breeding)

Ph.D. title: "Genetical and biometrical analysis for some important traits of maize (*Zea mays*, l.) ".

Master's degree “2007”

Grade: Excellent (honors)

Agronomy (Crop Breeding)

M.SC. title: "Genetic and biotechnological studies for some important traits in maize (*Zea mays*, l.)".

Bachelor in Agricultural Since “2004”

Grade: Very Good (honors)
Major: Agronomy

Minor: Crop Breading and Biotechnology

Skills:

Language skills

- Arabic mother tongue.
- Very Good in English (Reading/Writing/Speaking).
- Pass the English Language Diploma (12 levels) on 10/26/2015 from Harvest Center for the English Language - Cambridge University - Britain, with a grade of very good.

Computer Skills

- ICDL certificate.
- Excellent of: (Word/Excel/PowerPoint/Internet, access).
- Excellent at analysis programs and breeding analysis programs

Personal skills

- A conscientious, enthusiastic and highly motivated person who is reliable.
- Excellent in Presentations skills.
- Capable of working on own or as a teamwork member.
- Hard worker and Responsible.
- Excellent leadership and supervising skills.
- Good in organizing events.
- Ability to solve problems and work under stress.

WORK EXPERIENCE:

- Supervisor of crop farms (50 hectare) in the faculty of agriculture for six years.
- Consultant to large farmers for genetically improved strategic crops, and companies producing improved seeds.
- Director of the training center at the faculty of agriculture Benha University.
- Deputy Director of IT unit at the faculty of agriculture Benha University.
- Breeder of strategic crops (e.g. corn, wheat, rice, bean….).
- Planning, implementation and reporting of laboratory and field experiments and projects related to plant breeding, production and Molecular markers.
- Evaluation and follow-up the applied research at the level of research stations and on farm-level and analysis the results and discussion.

Academic Experience:

Teaching (English and Arabic program): lecturer for the following courses:

1- Breeding cross pollinated crops.
2- New Aspects in Crop Breeding.
3- Use of computer in designing and analysis of agric.
4- Experimental design- complete Blocks.
5- Breeding Main Crops.
6- Breeding Plants for Disease and Insect Resistance.
7- Use of computer in plant breeding experiments.
8- Principles of Agronomy.
9- Seed production and testing.
10- Statistics and Experimental design.
11- Crop improvement_2.
12- Crop Improvement _genetics.
13- Methods in Quantitative genetic analysis.
14- Inbreeding and heterosis.

Faculty and Leadership Development Center (FLDC)

& training courses: -

- Self- Evaluation and external review
- Management Websites, Statistical Analysis.
- Effective Communication
- Strategic planning.
- Advanced Spreadsheets.
- University teacher preparation.
- Strategic planning - National Authority for Quality Assurance and Accreditation of Education 10-12 Feb 2020.
- Question banks and electronic tests January 2021.
- Website management January 2021.
- Self-assessment and external review February 2021.
- Integrity and transparency February 2021.
- Legal and financial aspects of university business February 2021**.**

B. Published scientific papers in the area of plant breeding and biotechnology.

1- **Sedhom A.S.; M.EL.M. EL-Badawy; A.M. and A.A.A. EL-Hosary (2007)**. Diallel analysis and relationship between molecular polymorphisms and yellow maize hybrid performance. Annals of Agric. Sc., Moshtohor, Vol. 45 (1): 1-20.

2- El- Badawy, M.El.M.; S.A. Sedhom; A.M. Morsy and A.A.A. El- Hosary (2010). **Combining ability in maize (Zea mays L.) under two nitrogen rates and genetic distance determined by RAPD** markers. The 12th International Conference of Agronomy, September 2010. 106- 129.

3- **El-Hosary A.A., M.El.M. EL-Badawy and A.A.A. EL-Hosary (2011).** Combining ability in maize under two sowing dates and comparison between methods of genetic analysis. Egypt. J. Plant Breed. 15 (5): 213-232.

4- **El-Hosary A.A., S.A. Shafshak, M.A. Abo-Sherif, A.A.A. El Hosary and S.T.E. El-Sherif (2011)**. Efficiency of three breeding methods on two bread wheat crosses. J. Plant Production, Mansoura Univ., 2 (12): 1645-1654.

5- **El-Hosary A.A., S.M. Shoker, M.R. Gomaa, M.A. Abo-Sherif, A.A.A. El Hosary and M.M.M. Hamouda (2011)**. Selection for earliness, yield and its components in bread wheat. J. Plant Production, Mansoura Univ., 2 (12): 1655-1666.

6- **El-Hosary A.A., G.Y. Hamam, S.K. Mahmoud, A.A.A. El Hosary and S.R. El Areed (2011)** Yield stability and its components for some promising lines derived from interspecific hybridization in wheat. J. Plant Production, Mansoura Univ., 2 (12): 1791-1803.

7- **El-Hosary A.A., M. El. El-Badawy, H.A. Ashoush, A.A.A. El-Hosary and A.I. Yahya (2012)** Inheritance of yield and its components in F_1 crosses of wheat using diallel crosses under three nitrogen rates. J. Plant production, Mansoura Univ., 3 (6): 2001-2015.

8- **El-Hosary A.A., M. El. El-Badawy, T.A.E Saafan, A.A.A. El-Hosary and M.R.M. Ismail (2012).** Genetic analysis of agronomic characters and resistance to borer for genotypes in corn. The13th International Conference of Agronomy, 9-10 Sept., Fac. Agric., Benha, Univ.,35-48.

9- **El-Hosary A.A., M.E.El-Badawy, T.A.E. Abdallah, A.A.A. El Hosary and I.A. Abou Hussen (2013)**. Evaluation of diallel maize crosses for physiological and chemical traits under drought stress. The 8th plant Breeding international Conf. 14-15 May 2013. Special Issue of Egtpt. J. Plant Breed. 17:(2) 357-374.

10- **El-Hosary A.A.A. and A.A. El-Gammaal (2013)** Utilization of line x tester model for evaluating the combining ability of some new white maize inbred lines. Egypt. J. Plant Breed. 17 (1):79 – 92.

11- **El-Hosary A.A.A. and A.A. El-Gammaal (2013)** Combining ability, heterosis and assessing genetic diversity using RAPD marker in maize. Minufiya J. Agric. Res. 38(1):109-125.

12- **El-Hosary, A.A.A.** (2014) Relative values of three different testers in evaluating combining ability of new maize inbred lines. Int. J. Plant Breed. Genet., 8(2): 57-65

13- **El-Hosary, A.A.A.** (2014) Comparison between some methods of diallel cross analysis in maize. Egypt. J. Plant Breed. 18 (4):715 –736.

14- **EL-Hosary A.A.A. and G.A.A.Abdelwahed (2015)** Heterosis and combining ability in F1 and F2 generations of diallel cross in wheat. Egypt. J. Plant Breed. (19) (2): 355-373.

15- **El-Hosary, A.A., S.A. Sedhom, M.B. Habeed, A.M. El-Garhy, A.A.A. El-Hosary and F.E. Waly (2015).** Evaluation of soybean diallel crosses under drought conditions for yield and its components. Egypt. Of Appl. Sci., 30 (3) 192-208.

16- **El-Hosary, A.A.A. (2015).** Genetic analysis of water stress tolerance attributes in f1 maize diallel crosses. Egypt. J. Plant Breed. 19 (6): 1765-1781.

17- **El-Hosary A.A.A. and T.A. El-Akkad (2015**). Genetic Diversity of Maize Inbred Lines Using ISSR Markers and Its Implication on Quantitative Traits Inheritance. Arab J. Biotech., 18 (2) : 81-96.

18- **El-Hosary A. A. A. and I. A. I. El-Fiki (2015).** Diallel cross analysis for earliness, yield, its components and resistance to late wilt in maize. International Journal of Agricultural Science and Research (IJASR) 5(6): 199-210.

19- **Sedhom S.A., M.EL. El-Badawy, EL .I. A., El-Deeb , A.A.A. El-Hosary and I.M.A. Salem (2016)** Heterosis and combining ability for some important traits in flax (linum uestitismum, l.). Egypt. J. plant breed. 20 (4):44 -59.

20- **EL-Hosary A.A., S.A. Sedhom, G.Y. Hmam W.A. EL-Sawy, A.A.A. EL-Hosary and A.M. Shawky (2016)** Estimation of combining ability in groundnut (arachis hypogaea l.) under two sowing dates. Egypt. J. Plant Breed. 20 (4):81 -95

21- **EL-Hosary A.A., Sedhom S.A.; EL-Badawy, M.EL.M.; Saafan,T.A.E., El Hosary A.A.A. and Gaber M. A. (2016)** Studies on resistance to borer in corn I. dead heart%, intensity of damage, grain yield and yield lose. Egypt. J. Plant Breed. 20 (4):96 -107. 2016

22- **EL HosaryA.A., M. EL. M.Badawy,S. A. Mehasen,A.A.A. El Hosary and E. H. Abd El Hady (2016)** heterosis and combining ability analysis of F1 bread wheat under stress and normal irrigation treatments. Egypt. J. Plant Breed. 20 (4):128 -156.

23- **EL-Hosary A.A. , S.A. Sedhom, G.Y. Hmam W.A. EL-Sawy, A.A.A. EL-Hosary and A.M. Shawky (2016).** Inheritance of yield and qualty characters in penut under two sowing dates. Egypt. J. Plant Breed. 20 (4):511 -529.

24- **El-Hosary, A. A., A. S. Sedhom, , S. A. H. Allam, , H. M. H. Abo-Kaied, , A. A. A. El-Hosary, and M. A. Ebied, (2016)** phenotypic and genotypic stability analysis for some flax genotypes. Egypt. J. Plant Breed. 20 (4):560 -576.

25- **El-Hosary, A. A., A. S.Sedhom, , S. A. H. Allam, , H. M. H.Abo-Kaied, A. A. A. El-Hosary and M. A. Ebied (2016)** Stability analysis for some flax genotypes and genotype x environment interaction. Egypt. J. Plant Breed. 20 (4): 577- 592

26- **Sedhom S.A.; A.A.EL-Hosary,; M.EL.M.EL-Badawy,; T.A.E Saafan,., A.A.A. El Hosary and M. A. Gaber (2016).** Diallel cross analysis for yield, its components and resistance to borer in corn. Egypt. J. Plant Breed. 20 (4):716 -732.

27- **Abd El Samad H.S., A.A. El Hosary, El.S. M.H. Shokr, M.E. El-Badawy, A.E.M. Eissa, A.A.A. El Hosary (2017).** Selecting high yield and quality cotton genotypes using phenotypic and genotypic stability statistics. Egypt. J. Plant Breed. 21(5):642-653.

28- **Al Saadoon A.W., A.A. EL Hosary, A. S. Sedhom, M.EL.M. EL-Badawy, A.A.A. Hosary (2017).** Genetic analysis of diallel crosses in wheat under stress and normal irrigation treatments. Egypt. J. Plant Breed.21 (5): 279-292.

29- **A. S. Abd El Alaziz, A. A. El-Hosary, G.Y. Hamam, A. Z. Abo kenez, El-Saeed M. El-Gedwy, A. A. A. El-Hosary (2018)** Selecting high sugar yield and stable genotypes of sugar beet using phenotypic and genotypic stability. Egypt. J. Plant Breed. 21 (5): 696-709.

30- **Omnya H Turkey, SA Sedhom, MELM EL-Badawy, A.A.A. EL-Hosary (2018).** Combining ability analysis using diallel crosses among seven inbred lines of corn under two sowing dates. Annals of Agric. Sci., Moshtohor. 56 (2): 293-304.

31- **El Hosary A.A.A., M. H. Motawea, A.A. Elgammaal (2018).** Combining ability for yield and some of its attributes in maize across two locations. Egypt. J. Plant Breed. 22 (3): 625-640.

32- **Bayoumi, Rehab. A., S.M. Shoker, G.Y. Hamam, A.A.A. EL-Hosary (2018)** Determination of combining ability for some new yellow maize inbred lines using line x tester model. Annals of Agric. Sci., Moshtohor. 305-316.

33- **AL Sadoon A.W. , A.A. EL Hosary , S. A. Sedhom , M.EL.M. EL-Badawy and A.A.A. El Hosary (2018).** Determination of Combining Ability and Genetic Diversity Using ISSR Markers to Evaluate the Genetic Variability in Wheat. Journal Tikrit Univ. For Agri. Sci. Vol. (18) special No. of The 7 th Scientific and 1st International Conference of Agricultural Researches, 10-11 April 2018. 67-80.

34- **El-Hosary A.A.; M. El. M. El-Badawy; S.A.S Mehasen, A.A.A.; El-Hosary, T.A. El-Akkad and A. El-Fahdawy(2019).** Genetic diversity among wheat genotypes using RAPD markers and its implication on genetic variability of diallel crosses. BIOSCIENCE RESEARCH, 2019 16(2): 1258-1266.

35- **Mohamed E. Sidi, A. A. El-Hosary, G. Y. Hammam, El Saeed M. El-Gedwy and A.A. A. El-Hosary (2019)** Maize hybrids yield potential as affected by plant population density in Qalyubia, Egypt. BIOSCIENCE RESEARCH, 2019 16(2): 1565-1576.

36- **EL-Hosary A.A.A., El Saeed M. El-Gedwy and M.A. Abdel-Salam (2019)**Utilization of ISSR marker and tolerance indices for selecting adapted wheat genotypes under water stress. BIOSCIENCE RESEARCH, 16(2): 1611-1625.

37- **El-Fahdawy, A.; El-Hosary A.A.; M.El.M. El-Badawy, S.A.S Mehasen, A.A.A. El-Hosary (2019).** utilization of diallel crosses to determine combining ability and heterosis in wheat grown under drought and normal irrigation treatments. Egypt. J. Plant Breed., 23(3):219 -229 .

38- **A.A.El-Hosary; M.El.M. El-Badawy; S.A.S Mehasen, A.A.A.; El-Hosary, T.A. ElAkkad and A. El-Fahdawy (2019).** Genetic diversity among wheat genotypes using RAPD markers and its implication on genetic variability of diallel crosses. BIOSCIENCE RESEARCH, 2019 16(2): 1258-1266.https://www.isisn.org/BR_16_2_2019.htm

39- **El Hosary A.A.A., M. H. Motawea and A.A. Elgammaal (2018)** Combining ability for yield and some of its attributes in maize across two locations. Egypt. J. Plant Breed. 22 (3):625 –640.

40- **Gomaa M.R.; M.EL.M. EL-Badawy; A.A.A. El Hosary; Sh.R.M.El-Areed and A. Amer (2018)** Stability analysis for yield and its components in wheat. Egypt. J. Plant Breed. 22 (7):1535 –1550.

41- **Afiah S.A.; A.A. Elgammaal and A.A.A. EL-Hosary (2019)** Selecting diverse bread wheat genotypes under saline stress conditions using ISSR marker and tolerance indices. Egypt. J. Plant Breed. 23 (1):77 –92

42- **El-Hosary A.A.A.; El Saeed M. El-Gedwy and M.A. Abdel-Salam (2019)** Utilization of ISSR marker and tolerance indices for selecting adapted wheat genotypes under water stress. Bioscience Research, 16 (2): 1611-1625.

43- **El Hosary A.A.A. (2020)** Diallel analysis of some quantitative traits in eight inbred lines of maize and GGE biplot analysis for elite hybrids. J. of plant production, Mansoura Univ. 11 (3): 275-283.

44- **El Hosary A.A.A. (2020)** Estimation of genetic variability using linextester technic in yellow maize and stability analysis for superior hybrids using different stability procedures. J. of plant production, Mansoura Univ. 11 (9): 847-854.

45- **El Hosary A.A.A. (2020)** Estimation of gene action and heterosis in F1 and F2 diallel crosses among seven genotypes of field bean. J. of plant production, Mansoura Univ. 11 (12): 1383-1391.

46- **Ferial.M. Turk, M. El. M. El-Badawy,A.A.A. El Hosary, S.A.S Mehasen (2020)** Combining Ability Analysis Using Diallel Crosses among Eight Inbred Lines of maize under Two Planting Dates. Annals of Agric. Sci., Moshtohor 58 (4): 905-914.

47- **Nesma S. hussain , M. El. M. El-Badawy,A.A.A. El Hosary, S.A.S Mehasen (2020)** Estimation of Combining Ability and Gene Action by Using Line X Tester Procedure in Bread Wheat (Triticumastivum., L) Annals of Agric. Sci., Moshtohor 58 (4): 923-930.

48- **Hoda R. El-Safy, M.EL.M. EL-Badawy, S. A. H. Allam and A.A.A. El Hosary (2020)** Genetic Analysis of Diallel Crosses in Wheat under Drought and Normal Irrigation Treatments. Annals of Agric. Sci., Moshtohor 58 (4): 915-922.

49- **El Hosary A.A.A. (2021)** Estimation of genetic variance in yellow Synthetic maize "Moshtohor 108" with reference to expected gain from different selection methods. J. of plant production, Mansoura Univ. 12 (1): 25–29.

50- **Mahdi, A.H.; Badawy, S.A.; Abdel Latef, A.A.H.; El Hosary, A.A.; Abd El Razek, U.A.; Taha, R.S.** Integrated effects of potassium humate and planting density on growth, physiological traits and yield of Vicia faba L. grown in newly reclaimed soil. Agronomy 2021, 11, 461.

51- **Sedhom AS, M.E.M. EL-Badawy, A.A.A.El Hosary, M.S. Abd El-Latif, A.M.S. Rady, M.M.A. Moustafa, S.A. Mohamed, O.A.M. Badr, S.A. Abo-Marzoka, K.A. Baiumy and M.M. El-Nahas(2021)** Molecular markers and GGE biplot analysis for selecting higher-yield and drought-tolerant maize hybrids. Agronomy Journal, 2021;1–15. https://doi.org/10.1002/agj2.20778

52- **Shaaban A. S. , M.EL.M. EL-Badawy , A.A.A El Hosary, G. Y. Hammam , B. N. Ayaad (2022).** Estimate of Combining Ability In 9x9 Diallel Crosses of Maize at Two Locations. Annals of Agric. Sci., Moshtohor Vol. 60(2):373-384.

53- **Wafaa M. Ali, M.EL.M. EL-Badawy, A.M. Morsy and A.A.A. El Hosary (2002)** Estimation of Combining Ability In 10x10 Diallel Crosses Of Bread Wheat Grown Under Normal Irrigation and Salinity Stress Treatment for Some Morphological Physiological Traits. Annals of Agric. Sci., Moshtohor Vol. 60(1):25-37.

54- **Sedhom, S.A. M.E.M. El-Badawy, A.A.A. El-Hosary, M.A. Yousef, A.B. Elsehely and K.A. Baiumy (2022):** Yield potentiality and photosynthetic parameters of some local and exotic elite rice genotypes. Proceedings of 1st Annual Conference of Post Graduate Studies for Applied Science, Benha University, 7-8 May, 2022.

55- **Baiumy, K. A.; A. A. A. El Hosary and A. M. Saad (2023).** Utilization of different Graphical and Simplified Statistical Model to Analyse The Stability of Various Summer Forage Genotypes. J. of Plant Production, Mansoura Univ., Vol. 14 (4) : 191-199.

C. Published scientific books derived from M.SC and PhD theses.

1- **EL-Hosary, A.A.A.;** Sedhom, A.S. and EL-Badawy, M.EL.M., 2011. Genetical and biometrical analysis for some important traits in maize. LAP Lambert Academic Publishing, ISBN 978-3-8465-3211-9, paperback, 156 Pages.

http://www.bod.com/index.php?id=3435&objk_id=628174

2- **EL-Hosary, A.A.A.;** Sedhom, A.S. and EL-Badawy, M.EL.M., 2011. Genetic and Biotechnological Studies for Important Traits in Maize. LAP Lambert Academic Publishing, ISBN 978-3-8454-4108-5, paperback, 280 Pages

http://www.bod.com/index.php?id=3435&objk_id=570116

Membership& Activities

* Member of Egyptian Society of Plant Breeding.

Workshops/Conferences

Attend the Sixteenth International Conference on Crop Sciences “Future Challenges in the Production of Field Crops and Their Relationship to Sustainable Development” - Al-Azhar University in partnership with the Egyptian Society for Crop Sciences on 10/13/20	2020
Attend and participat in a symposium on maximizing the utilization of water resources, which was held in the Conference Hall of the Faculty of Agriculture on Sunday, 21/4/2019	2019
Attend the 12th International Conference on Plant Breeding - Alexandria University (Faculty of Agriculture in Shatby) in partnership with the Egyptian Society for Plant Breeding on 3/27/2019 and presenting a paper at the conference.	2019
Attend the thirteenth annual scientific conference “Legal and Economic Aspects of Financial Inclusion” in Benha University, Faculty of Law, on 3/13/2019	2019
Attend the Seventh Conference on Field Crops “Development of Field Crops and Water Shortage in Egypt from 18-19 December 2018	2018
Attend the Fifteenth International Conference on Crop Sciences in the Faculty of Agriculture - Ain	2018

Shams University on October 1, 2018.	
Attend the Fourth international conference of biotechnology Applications, organized at the Faculty of Agriculture - Benha University, held in Hurghada on 4-7 April 2018, and participating with two research papers.	2018
Attend and participate in the organization and figures the eleven conference of plant breeding, which was held at the Faculty of Agriculture – Kafr el Sheikh University in the period 17-18 October 2017.	2017
Attend and participate in the organization and figures the 2nd international sine-Egyptian congress on Agriculture, veterinary sciences and Engineering Benha University in the period 7-8 October 2017.	2017
Attend and participate in the organization and figures the ten conference of plant breeding, which was held at the Faculty of Agriculture – Menofiya University in the period 7-8 September 2016.	2016
Attend and participate in the organization and figures the nine conference of plant breeding, which was held at the Faculty of Agriculture - Benha University in the period 7-8 September 2015.	2015
Attend ninth International Conference held in plant breeding, Faculty of Agriculture - kafr el sheikh University 4-5 / May 2011	2013
Attend the workshop for summer crops and the headquarters of the Agricultural Research Center and held during the period 3-5/4/2012.	2012
Attend a scientific symposium held Crops Department - University of Kafr el-Sheikh under the title (Egyptian cotton between the present and the future) and so on 1/4/2012	2012
Attend the fourth conference of field crops, entitled: "field crops in the face of the challenges of the future" and that the main conference hall - ARC during the period from 28-30 August 2012.	2012
Attend and participate in the organization and figures the Third International Congress of Crop Science, which was held at the Faculty of Agriculture - Benha University in the period 9-10 September 2012.	2012
Attend Seventh International Conference held in plant breeding, Faculty of Agriculture - Alexandria University 4-5 / May 2011	2011
Attend and participate in the organization and activities of the scientific symposium held Department of crops under the title of a futuristic vision for the advancement of oil crops on Tuesday 12/4/2011 the conference hall at the Faculty of Agriculture - University of Kafr el-Sheikh.	2011
Attend the efficiencies of the conference's fifth plant breeding May 27, 2007 - Cairo	2007
Attend the first Scientific Conference "cereal crops and their importance in achieving food security Egyptian" Faculty of Agriculture, Alexandria University 20-21 / June 2005	2005

Attend workshop for self-learning for faculty	11/5/2011.