



**Sohag University
Faculty of Agriculture
Department of Genetics**

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Dr.Galal El-Sherbeny

*Professor of Genetics and Head of Genetic Department,
Faculty of Agriculture, Sohag University.

* The Former Dean of Sohag Faculty of Agriculture.

Scientific qualifications

* B.Sc., Agriculture Science (plant production), Faculty of Agriculture,
Mansoura University, Egypt, 1987.

* M.S., Agriculture Science (Genetics), Faculty of Agriculture, Mansoura
University, Egypt, 1992.

* Ph.D., Agriculture Science (Genetics), Faculty of Agriculture, Mansoura
University, Egypt, 1996.

Area of Focus

Genetics and Applied Biotechnology





Teaching Interests

I am teaching the genetic courses for undergraduates of biotechnology program in our Faculty of Agriculture. I am also teaching the basic of genetics and genetic engineering for Veterinary Medicine Faculty students. I am also teaching advanced genetic courses for postgraduates.

Research Interests

The main goal of my research interest is development of cultivated varieties and germplasm using traditional and non traditional methods. So, my research area focuses on developing improved genetic methodology with an emphasis on biotic and a biotic stress tolerance in economic plants. My research goals included also development of hybrid plant and use of biotechnology.

Other Interests

- I have TOT license for training of trainers.
- I can speak English.

List of Publication

- 1- El-Adl, A. M.; Z. A. Kosba; Z. M. El-Diasty and **G.A.R. El- Sherbeny** (1991): General and specific combining ability effects associated with the performances of the F1 hybrids and the F2 generations obtained from partial diallel crosses mating design among seven inbred lines of yellow corn. J. Agric. Sci., Mansoura Univ. 16 (11): 2594 – 2594.
- 2- El-Diasty, Z. M.; A. M. El-Adl; Z.A.Kosba and **G. A. R. El-Sherbeny** (1991): Genotypic and phenotypic correlation between important traits of yellow corn, *Zea mays L.* J. Agric. Sci., Mansoura Univ., 16 (11): 2631 – 2636.
- 3- Kosba, Z. A.; A. M. El-Adl; Z. M. El-Diasty and **G. A. R. El-Sherbeny** (1991): The relative important of genetic variance components associated with heterosis in the F1 hybrids and inbreeding depression in the F2 generations for vegetative traits of yellow corn (*Zea mays L.*). J. Agric. Sci, Mansoura Univ., 16 (11): 2637- 2647.
- 4- **El-Sherbeny, G. A. R.** (1992): Evaluation of inbred lines for the possibility of producing hybrids in *Zea mays L.* M. Sc. Thesis, Fac. Agric., Mansoura Univ.
- 5- **El-Sherbeny, G. A. R.** (1996): The relative importance of additive and non-additive genetic variances for breeding new varieties of wheat (*Triticum spp L.*). Ph.D. Thesis, Fac. Agric., Mansoura Univ.
- 6-El-Adl, A. M.; Z. A. Kosba; Z. M. El-Diasty and **G. A. R. El-Sherbeny** (1996): The relative importance of additive and non- additive genetic variances in new varieties of wheat (*Triticum spp L.*). J. Agric. Sci., Mansoura Univ., 21 (5): 1717 – 1733.
- 7-Hamada, A. A., M. M. Abd El-Maksoud and **G. A. R. El-Sherbeny** (1997): Heterosis and type of gene action associated with it for earliness and yield components in crosses involving Egyptian and exotic wheat germplasm. J. Agric. Sci. Mansoura Univ., 22 (9): 2833 – 2844.
- 8- Ageez, A. A. and **G. A. R. El-Sherbeny** (1998): Heterosis in relation to additive and non- additive genetic variances for yield and its components in bread wheat (*Triticum aestivum L.*). J. Agric. Sci. Mansoura Univ., 23 (12): 5287 – 5295.
- 9- Hamada, M.S., A. H. Abd El-Hadi and **G. A. R. El-Sherbeny** (1999): Developmental genetic effects of some insecticides in *Drosophila melanogaster*. 2nd, Int. Conf. of Pest Control, Mansoura, Egypt, 6- 8 Sept., pp: 387- 400.
- 10- Amen, El. S. A.; **G. A. R. El-Sherbeny** and A. H. Abd El-Hadi (1999): The importance of genetic parameters, heterosis as well as genotypic and

phenotypic correlations for some important traits in pea (*Pisum sativum* L.). J. Agric. Sci. Mansoura Univ., 24 (9): 4689 – 4699.

- 11- **El-Sherbeny, G. A. R.** (1999): Estimates of heterosis and nature of gene action under drought stress and favourable conditions in bread wheat (*Triticum aestivum* L.). J. Agric. Sci. Mansoura Univ., 24 (12): 7341 – 7352.
- 12- **El-Sherbeny, G. A. R.**; M. H. Motawea; M. S. Hamada and P. S. Baenziger (2000): Nature of gene action controlling yield and its components in three crosses involving Egyptian and exotic bread wheat germplasm. Assiut J. Agric. Sci., 31 (5): 203 – 214.
- 13- **El-Sherbeny, G. A. R.**; S. Sato; S. M. Al-Otayk; T. Clemente and P. S. Baenziger (2000): Effect of genotype and 2,4-D concentration on callus induction from immature embryos of new Egyptian wheat cultivars (*Triticum aestivum* L.). J. Agric. Sci. Mansoura Univ., 25 (12): 7677 – 7683.
- 14- **El-Sherbeny, G. A. R.**, M. S. Hamada and El-Sh. A. Amen (2001): Effect of direct selection on early flowering and correlated response in seed yield and its components of cowpea (*Vigna unguiculata* L.). J. Agric. Sci. Mansoura Univ., 26 (3): 1399 – 1407.
- 15 -Hamada, M. S., **G. A. R. El-Sherbeny** and M. M. Abd El-Maksoud (2001): Genetic effects on drosophila development due to allelic and non-allelic interactions at some behavioral loci. J. Agric. Sci. Mansoura Univ., 26 (5): 2757- 2769.
- 16 - Abd El-Maksoud, M. M.; **G. A. R. El-Sherbeny** and A. H. Abd El-Hadi (2003): Evaluation of some exotic yellow maize inbred lines for combining ability using local open pollinated testers. J. Agric. Sci. Mansoura Univ., 28 (10): 7273 – 7280.
- 17- **El-Sherbeny, G. A. R.** (2004): Direct selection for early heading and correlated response in grain yield and its components of bread wheat (*Triticum aestivum* L.). J. Agric. Sci. Mansoura Univ., 29 (3): 1197 – 1203.
- 18- **El-Sherbeny, G. A. R.** (2004): Nature of gene action for earliness and yield in bread wheat under heat stress. J. Agric. Sci. Mansoura Univ., 26 (3): 1399 – 1407.
- 19- Ahmed, K. Z.; **G. A. R. El-Sherbeny**; R. A. Ragab and T. Bashandy (2004): Optimization of conditions for regeneration, DNA delivery and transient GUS expression in mature embryos of elite Egyptian bread wheat cultivars using *Agrobacterium tumefaciens* mediated transformation system. Int. Conf. Eng. & Appl., 8-11 April, pp: 87- 101.
- 20- El-Gendy, Soher E. A. and **G. A. R. El-Sherbeny** (2005): Nature of gene action for some economical traits in okra. J. Agric. Sci. Mansoura Univ., 30 (6): 3135 – 3145.

- 21- **El-Sherbeny, G. A. R.**; K. Z. Ahmed; R. A. Ragab and T. Bashendy (2005): Response of Egyptian bread wheat to in vitro techniques. I- Immature embryos culture and plant regeneration. Assiut J. Agric. Sci., 36 (2): 73 – 89.
- 22- **El-Sherbeny, G. A. R.**; K. Z. Ahmed; R. A. Ragab and T. Bashendy (2005): Response of Egyptian bread wheat to in vitro techniques. II- Isozyme studies in callus cultures and regenerated plants. Assiut J. Agric. Sci., 36 (2): 91- 105.
- 23- **El-Sherbeny, G. A. R.**; H. A. Obiadalla-Ali and Soher E. A. El-Gendy (2005): Estimates of genetic parameters using line by tester analysis for some economic traits in okra (*Abelmoschus esculentus* L.) under different nitrogen levels. Assiut J. Agric. Sci., 36 (5): 121- 134.
- 24- **El-Sherbeny, G. A. R.** ; A. H. Abd El-Hadi and Soher E. A. El-Gendy(2005): Genetical studies on economical traits of some squash hybrids (*Cucurbita pepo* L.). Alex. J. Agric. Res., 50 (30): 95-102.
- 25- **El-Sherbeny, G. A. R.**; A. H. Abd El-Hadi and M. H. Motawea (2005): Heterosis and nature of gene action for earliness and yield components in bread wheat (*Triticum aestivum* L.) J. Agric. Sci. Mansoura Univ., 30 (12): 7581- 7589.
- 26- Abd El-Hadi, A. H.; **G. A. R., El-Sherbeny** and A.A. El-Magrabi (2006): Genetic behavior for some important economical traits and the nature of resistance for powdery mildew in squash. J. Agric. Sci. Mansoura Univ., 31 (1): 501-513.
- 27- **El-sherbeny, G. A. R.** (2006): Combining ability for earliness and yield and some of its components in bread wheat under favourable and drought stress conditions. J. Agric. Sci. Mansoura Univ., 31 (2): 723- 734.
- 28- Hassanein A. M., **G.A. R. El-Sherbeny**, Soltan D., Abdelsabour G. A. Khaled, Saad G. K., Gaboor G. M., ElMogy N.S. (2012): Germination of jojoba (*Simmondsia chinensis* L) seeds under the influence of several conditions. Journal of Environmental Studies, 9:29-35.
- 29- Abdelsabour G. A. Khaled, **G. A. R. El-Sherbeny** and H. M. A. Elsayed. (2013): Estimates of genetic parameters and heterosis in maize (*Zea mays* L.) under normal and drought conditions. Mansoura J. Agricultural Chemist. Biotech., 4: 63-77.
- 30- Abdelsabour G. A. Khaled, **G. A. R. El-Sherbeny** and H. M. A. Elsayed. (2013): Genetic relationship among maize (*zea mays* L.) genotypes on the basis of gene action and RAPD markers under drought stress. Egypt J. Genet. Cytol., 42 (1): 73-88.

- 31- Abdelsabour G. A. Khaled; K. A. Hamam; M. H. Motawea and **G. A. R. EL-Sherbeny**. (2013): Genetic analysis and RAPD markers for tissue culture response and some agronomical traits in Egyptian bread wheat. J. genet. Engineering. Biotech., 11 : 79-86.
- 32- Khaled A. G. A.; K. A. Hamam; M. H. Motawea and **G. A. R. EL-Sherbeny** (2013): Genetic analysis and RAPD markers for tissue culture response and some agronomical traits in Egyptian bread wheat. J. genet. Engineering. Biotech.. 11: 79-86.
- 33- Haitham Elsayed; **Galal EL-Sherbeny**; Abdelsabour Khaled (2013): Genetic Analysis of Some Maize Genotypes under Drought Conditions. Lab. LAMBERT Academic Publishing. ISBN: 978-3-659-49636-3.
- 34- **EL-Sherbeny, G.A.R.** (2014): Gene action and heterosis in maize (*Zea mays* L.) under normal and drought conditions. Acta Biologica Cracoviensia, 56 suppl. 2: 59.
- 35- Khaled A.G.A., **G.A.R. EL-Sherbeny**, A. M. Hassanein and G. M. Gaboor (2015): Comparative Assessment of ISSR and RAPD markers among Egyptian Jojoba shrubs. 2nd Minia International Conference for Agriculture and Irrigation in the Nile Basin Countries, 23-25 March, El-Minia, Egypt.
- 36- Hassanein A.M., **G.R. EL-Sherbeny**, A.G.A. Khaled, G. M Gaboor (2015): Seed propagation increases genetic variation and micropropagation to multiply selected shrub with desirable characters. Agriculture & Food. 3 : 325-339.
- 37- Farrage, A.A.; **G.A.R. EL-Sherbeny**; M.K. Omara and A.G.A. Khaled. (2015): Control of genetic variation in stem diameter, number of vascular bundles and their relationships with grain yield under heat Stress in bread wheat. Assuit Journal of Agricultural science. 46 (3): 44-61.
- 38- Khaled, A. G.A. ; **Galal A.R. EL-Sherbeny**; Hamdy M. El-Aref and Samah M. H. Abu El gait. (2016): Genetic analysis for drought tolerance in tomato genotypes. Journal of Sohag Agriscience.
- 39- Khaled, A. G.A., **G.A.R. EL-Sherbeny**; T. M. El-Sheikh and Aml A. Katana (2018): Identification RAPD molecular markers linked to phenotypic characteristics in Rabbits breeds. Journal of Sohag Agriscience. 1:1-15.
- 40- **EL-Sherbeny, G.A.R**; A. G. A Khaled H.A.; Obiadalla Ali and A. Y.M. Ahmed (2018): ISSR markers linked to agronomic traits in Okra. International Journal of Modern Agriculture, 7(1): 2305 - 7246.

- 41- **El-Sherbeny, G.A.R.**, A. G. A Khaled, H.A. Obiadalla-Ali and A. Y.M. Ahmed (2018): Estimates of heterosis and combining ability in okra under different environments. JSAS,1(1):1-12.
- 42- **El-Sherbeny G.A.R.**, A.G.A. Khaled, A.E.M. Eissa and El-A. Y. El-Samman (2018): General and specific combining abilities and RAPD markers-trait associations in Cotton genotypes. International Journal of Modern Agriculture. 7 (1): 16-26.
- 43- **El-Sherbeny G.A.R.**, A.G.A. Khaled, M.R.A. Hovny and Bahaa A. Zarea (2019): Combining ability and gene action using line by tester analysis on some new hybrids of grain sorghum under drought condition. PKV Res. J. 49(1): 118-128.