

Researchers for *Zea Maize* Department

1. Galal, A.A; A.A. Agamy; A.F. Abdalla and E.A. Amer (1994). Inheritance of nine agronomic traits in four new single crosses of maize. J. Agric. Res. Tanta Univ. 20(3): 500-510.
2. Soliman F.H.S.; A.A. El-Shenawy; F.A. El-Zeir and E.A. Amer (1995). Estimates of combining ability and type of gene action in top crosses of yellow maize. Egypt. J. Appl. Sci. 10(8): 312-329.
3. Galal, A.A; E.A. Amer; A.A. El-Shenawy and F.A. El-Zeir (1996). Three cycles of modified ear-to-row versus one cycle of recurrent selection based on half-sibs (design-1) and S₁ line *per se* for improving composite Giza-2 variety. Al-Azhar J. Agric. Res. 23:1-13.
4. Amer, E.A.; F.A.A. El-Zeir and A.M. Shehata (1997). Inheritance of five traits through out six inbreds diallel set in maize. Egypt. J. Appl. Sci. 12(10):63-74.
5. Shehata, A.M.; F.A. El-Zeir and E.A. Amer (1997). Influence of tester lines on evaluating combining ability of some new maize inbred lines. J. Agric. Sci. Mansoura Univ. 22(7): 2159-2176.
6. El-Zeir; F.A.; A.A. El-Shenawy; E.A. Amer and A.A. Galal (1998). Influence of narrow row spacing (high plant density) and nitrogen fertilization on two maize hybrids. J. Agric. Sci. Mansoura Univ. 23(5):1855-1864.
7. Tolba, S.A.E.; E.A. Amer and F.A. El-Zeir (1998): Evaluation of some maize genetic materials to late wilt disease and effect of different plant densities on the severity of the disease. J. Agric. Res. Tanta Univ., 24 (1): 10-18.
8. Amer, E.A.; A.A. EL-Shenway and F.A. EL-Zeir (1998). Diallel analysis for ten inbred lines of maize (*Zea mays L.*). Egypt. J. Appl. Sci., 13(18): 79-91.
9. El-Zeir, F.A.; S.A.E. Tolba and E.A. Amer (1998). Additional sources of maize resistant to downy mildew *prenosclerospora sorghi* and effect of phosphorus fertilizer on disease severity. J. Agric. Res. Tanta Univ., 24(1):1-9.
10. Soliman, F.H.S.; A.A. Mahmoud; F.A. El Zeir and Afaf, A.I. Gabr (1999). Genetic variance, heritability and genetic gain from S1 family

- selection in a yellow maize population. Egypt J. Plant Breed., 3:127-137.
- 11. Amer, E.A; A.A. El-Shenawy and A.A. Galal (1999).** Further three cycles of modified ear to row selection method in composite-21 yellow maize variety. J. Agric. Sci. Mansoura Univ., 24 (12): 7333-7340.
 - 12. Amer, E.A; S.A.E. Tolba and H.E. Goda (1999).** Genetic analysis of late wilt disease, grain yield and other agronomic traits in maize. Egypt. J. Appl. Sci., 14 (9): 133-143.
 - 13. El-Naggar, M.A. and E.A. Amer (1999).** The effect of nitrogen fertilization on some maize cultivars in relation to the yield and the infestation by *Ostrinia nubilalis*. Minufiya. J. Agric. Res., 24 (3): 937-943.
 - 14. Hamady, Sh.E.E.; R.B.S. Abo Arab; F.A.A EL-Zeir and E.A. Amer (1999).** Storage of pesticides – treated maize seeds : effects on insect infestation, viability of seeds and the safe utility of redundant seeds as poultry feed. 2nd, Int. Conf. of pest Control , Mansoura, Egypt, Sept, pp: 67-88.
 - 15. Amer, E.A. (1999).** Inheritance of earliness and other traits in four maize crosses. Egypt. J. Appl. Sci ., 14(10): 165-174 .
 - 16. EL-Zeir, F.A.A and E.A. Amer (1999).** Estimation of combining ability for two sets of diallel crosses, white and yellow new maize inbred lines to the yield and resistance to diseases. J. Agric. Sci. Mansoura Univ., 24(5): 2085-2093.
 - 17. EL-Zeir, F.A.A.; E.A. Amer and A.A Abd EL-Aziz (1999).** Combining ability analysis for grain yield and other agronomic traits in yellow maize inbreds (*Zea mays L.*). Minufiya. J. of Agric. Res., 24(3): 859-868.
 - 18. Soliman, F.H.S.; A.A. Mohmoud; F.A EL-Zeir and E.A. Amer (1999).** Heterosis in varietal crosses among eight maize varieties for high oil . Egypt . J. Appl. Sci., 14(12): 557-573.
 - 19. El-Zeir, F. A. A.; E. A. Amer; A. A. Abd El-Aziz and A.A. Mahmoud (2000).** Combining ability of new maize inbred lines and type of gene action using top crosses of maize. Egypt. J. Appl. Sci., 15(2): 116-128.
 - 20. Soliman, F.H.S., SH.A. shafay, A. I. El-Agamy and M.A. Mostafa (2001).** Combining ability in maize topcrosses for grain yield and oil content. Egypt. J. plant Breed. 5: 43-60.

- 21. Soliman, M.S.M; A.A. Mahmoud, Afaf, A.I. Gabr and F.H.S. Soliman (2001).** Utilization of narrow base testers for evaluating combining ability of newly developed yellow maize inbred lines (*Zea mays* L.). Egypt J. Plant Breed. 5: 61-76.
- 22. Soliman, M.S.M; Afaf, A.I. Gabr and K.I. Khalifa (2001).** Natural vs artificial infestation in evaluation of some maize hybrids for resistance to *Sesamia cretica* Led. J. Agric Sci. Mansoura Univ. 26 (6): 3419-3433.
- 23. S.E. Sadek, M.S.M. Soliman and A.A. Barakat (2001).** Evaluation of new developed maize lines using commercial inbred testers. Egypt. J. Appl. Sci. 16(12): 406-425.
- 24. Afify A. Barakat (2001).** Estimates of combining ability of white maize inbred lines in top crosses. AL-Azhar J. Agric. Res. 33: 129-146.
- 25. El-Zeir, F.A.A.; E.A. Amer and H. E. Mosa (2001).** Combining ability for two sets of white and yellow diallel crosses for agronomy traits, resistance disease, chlorophyll and grain yield of maize.J. Agric. Sci. Mansoura Univ. 26 (2): 703-714.
- 26. Bendary, M. M.; G.H.A. Ghanem; E.S. Soliman; E.A. Amer and F.A.A. El-Zeir (2001).** Nutritional Evaluation of ensiling fresh maize stover. Egyptian J. Nutrition and Feed. 4 (Special Issue): 105-116.
- 27. Amer, E.A.; A.A. El-Shenawy and H. E. Mosa (2001).** Influences of planting dates and population densities under artificial and natural infections of common smut diseases on some maize varieties. Agric. Sci. Mansoura Univ. 26 (8): 4673-4679.
- 28. Sadek, S.E., M.S.M.Soliman, A.A. Brakat and K.I.Khalifa (2002).** Top crosses.analysis for selecting maize lines in the early self generations. Minufiya J.Agric.Res. 27(2): 197-213.
- 29. Amer, E.A.; A.A. El-Shenawy; S.A. Tolba and A.A. Motawi (2002).** Effect of plant density and harvesting date on ear and kernel rots in maize.J. Agric. Sci. Mansoura Univ. 27(1):19- 25.
- 30. El-Shenawy, A.A., E.A. Amer and R.S.H. Aly (2002).** Influence of plant density on common smut resistance under artificial and natural infection in maize. J. Agric. Sci. Mansoura Univ. 27(1): 19-25.
- 31. Amer, E.A.; H.E.Mosa and A.A.Metawei (2002).** Genetic analysis for grain yield, downy mildew, late wilt and kernel rot diseases on maize. J. Agric. Sci. Mansoura Univ. 27 (4): 1965-1974.

32. Galal, A.A.; A.A. EL-Shenawy and E.A. Amer (2002). Additive, dominance and epistatic effects controlling resistance to (*sesamia cretica led*) in maize. Minufiya J. Agric. Res. 27 (5): 1209-1215.
33. Amer, E.A.; A.A. El-Shenawy and H.E. Mosa (2002). Evaluation of some new inbred lines of maize for combining ability. Annals of Agric. Sci. Moshtohor 40 (2): 791-802.
34. Galal, A.A.; E.A. Amer and A.A. El-Shenawy (2002). Comparison among the four methods of griffing (1956) in complete diallel set of maize inbred. J. Agric. Sci. Mansours Univ. 27(2): 733-737.
35. Amer, E.A.; A.A. El-Shenawy and H.E. Mosa (2002). A comparison of four testers for the evaluation of maize yellow inbreds. Egypt. J. Appl. Sci. 17(10): 597-610.
36. Amer, E.A. (2002). Combining ability on early maturing inbred lines of maize. Egypt. J. Appl. Sci. 162-181.
37. Gabr, Afaf A.I. (2003). Combining ability of yellow maize (*Zea mays* L.) inbred lines. Egypt. J. Appl. Sci. 18(11): 117-131.
38. Metwally, A.S. and A.A. Barakat (2003). Distribution of european corn borer larvae within- maize plants of some single cross hybrids. J. Agruc. Sci. Monsoura Univ. 28(6): 5053-5060.
39. Shehata A.M.; E.A.Amer; A.A.Barakat and A.A.El-Shenawy (2003). Stability parameters for grain yield and some other agronomic traits of new white and yellow maize hybrids (*Zea mays* L.) Egypt. J. Appl. Sci. 18(116): 495-509.
40. Sadek, S.E., M.S.M.Soliman and A.A. Barakat (2003). Dynamics of yield of Fourteen white and yellow maize (*Zea mays* L.) hybrids grown in Egypt. J. Agric. Sci. Mansoura Univ. 28(2):759-774.
41. Barakat, A.A., M.A.K. Shalaby, H.E.Gado and Ragheb, M.M.A. (2003). Heterotic pattern in variety crosses among eight white maize populations (*Zea mays* L.) J.Agric.Sci.Mansoura Univ., 28(2): 747-758.
42. A.A. Barakat (2003). Genetic variance, heritability and genetic gain from selection in a yellow maize population. Minufiya J. Agric. Res. 28 (3): 773-786.
43. Amer, E.A.; A.A. EL-Shenawy and A.A. Motawei (2003). Combining ability of new maize inbred lines via line \times tester analysis. Egypt. J. plant breed. 7(1): 229-239 Special Issue.

44. **Amer, E.A.; H.E. Mosa and A.A.Motawei (2003).** Forming a new maize synthetic variety and improvement by using S₁ line *per se* selection. J.Agric.Sci. Mansoura Univ. 28(2): 791-798.
45. **EL-Shenawy, A.A.; E.A. Amer; H.E. Mosa (2003).** Estimation of combining ability of newly-developed inbred lines of maize by (Line × Tester) analysis.J.Agric. Res.Tanta Univ. 29 (1): 50-63.
46. **Shehata, A.M.; E.A.Amer; A.A.Barakat and A.A.EL-Shenawy (2003).** Stability parameters for grain yield and some other agronomic traits of new white and yellow maize hybrids (*Zea mays* L). Egypt. J. Appl. Sci. 18: 495-504.
47. **Amer, E.A. (2003).** Diallel analysis for yield and its components of maize under two different locations. Minufiya J. Agric. Res. 28 (5): 1363-1373.
48. **Barakat, A.A., M.A Abd EL-Moula and A.A.Ahmed (2003).** Combining ability for maize grain yield and its attributes under different environments . Assiut Journal of Agricultural Science 134,No.3,2003.
49. **Amer, E.A.; A.A.EL-Shenawy; H.E.Mosa and A.A. Motawei (2004).** Effect of sapcing between rows and hills and number of plants per hills on growth , yield and its components of six maize crosses.J. Agric.Res.Tanta Univ. 30(3): 601-615.
50. **Mosa, H.E. and E.A.Amer (2004).** A diallel anaylsis among maize inbred lines for resistance to pink stem borer and grain yield under artificial infestation and non infestation. Annals of Agric. Sc., Moshtohor 42(2): 449-459.
51. **Gabr, Afaf A.I. and M.E.M. Abd El-Azeem (2004).** Evaluation of S1 progenies of maize composite Giza-2 (EV-10). Egypt. J. Appl. Sci. 19(4): 50-58.
52. **Mosa, H.E.; A.A. Motawei and Afaf, A.I. Gabr (2004).** Evaluation new yellow inbred lines of maize through nine x tester analysis over three locations. J. Agric Sci. Mansoura Univ., 29(3): 1023-1033.
53. **Amer, E.A. (2004).** Combining ability of new white inbred lines of maize with three testers tested over two locations. Annals of Agric. Sci., Moshtohor 42(2): 461-474.
54. **Amer, E.A. and H.E. Mosa (2004).** Improvement of the new synthetic maize cultivar, Sakha-6, via three cycles of modified ear to row selection.J.Agric.Sci. Mansoura Univ.,29 (4): 1657-1664.

- 55. Amer, E.A. and H.E.Mosa (2004).** Gene effects of some plant and yield traits in four maize crosses .Minufiya J. Agric.Res., 1 (29): 181-192.
- 56. M.A. Abd ELMoula, Barakat,A .A. and A.A. Ahmed (2004).** Combining ability and type of gene action for grain yield and other attributes in maize (*Zea mays L.*). Assiut Journal of Agricultural Science, Vol 35,No.3,2004.
- 57. Amer, E.A. (2005).** Estimates of combining ability using diallel crosses among eight new maize inbred lines. J. Agric. Res.Tanta Univ. 31 (2): 232-243.
- 58. Metwally, A. S., H. E. Gado and A.A. Barakat (2005).** A field study on the oviposition preference of European corn borer *Ostarinia nubilalis* HB. (Lepidoptera pyralidae) on different maize varieties in middle delta, Egypt. Egypt. J. Appl. Sic; 20 (3) 2005.
- 59. Aly, R.S.H and E.A. Amer (2008).** Combining ability and type of gene action for grain yield and some other traits using Line \times Tester analysis in newly yellow maize inbred lines (*Zea mays L.*). Agric. Sci. Mansoura Univ., 33 (7): 4993-5003.
- 60. S.E. Sadek and A.A. Barakat (2006).** Chemical analysis of photosynthates partition and migration of dry matter in some new maize genotypes. Minufiya J. Agric. Res. Vol. 31 No. 1 : 49-59.
- 61. Barakat, A.A. (2006).** Estimation of combining ability and type of gene action for grain yield and other attributes between new lines of white maize (*Zea mays L.*). Annals of Agric. Sic. Moshtohor Vol. 44 (4):1483 – 1496, 2006.
- 62. Barakat, A. A. and a. M. M. Abd El Aal (2006).** Estimation of combining ability for grain yield and other attributes in new yellow inbred lines of maize (*Zea mays L.*) J. Agric. Sci. Mansoura Univ. 31 (7): 4097-4105.
- 63. Barakat, A.A. and M.H.A. Ibrahim (2006).** Heterosis and combining ability in yellow maize (*Zea mays L.*) J. Agric. Sci. Mansoura Univ. 31 (8): 4849-4860.
- 64. M.S.M. Soliman and A.A. Barakat (2006).** Growth and yield analysis of two inbred lines and sixteen crosses of white maize cultivars (*Zea mays L.*) cultivated in Egypt. Journal of Applied Sciences Research 2(11): 936-94.

65. **Soliman, F. H. S., SH. A. shafay, A. I. El - Agamy and M. A. Mostafa (2007).** Inheritance of grain yield and oil content in new maize high oil single crosses. Egypt. J. plant Breed. 11(2): 507-530.
66. **Mosa, H.E.; E.A. Amer and M.A. El-Ghonamy (2007).** White maize inbred lines selection through line x tester analysis . J. Agric. Sci. Mansoura Univ., 32 (9):7089-7097.
67. **Amer, E.A. and A.A. El-Shenawy (2007).** Combining ability for new twenty one yellow maize inbred lines. J. Agric. Sci. Mansoura Univ. 32 (9): 7053-7062.
68. **A.A. Barakat and A.M.M. Abd ELAal (2007).** Phenotypic stability parameters for some promising yellow mize genotypes under different environmental conditions. Minufiya J. Agric. Res. 32(1) : 203-217.
69. **El Sherbieny, H.Y.; T.A. Abdallah; A.A. El Khishen and Afaf A.I. Gabr (2008).** Phenotypic stability analysis for grain yield in some yellow maize (*Zea mays* L.) hybrids. Egypt. J. Appl. Sci; 23(11B): 483-490.
70. **Gabr, Afaf A.I.; M.E.A. Abd El Azeem and A.A. El Khashen (2008).** Evaluation of newly developed maize inbred lines using topcross procedure. Egypt. J. Appl. Sci; 23(12B): 530-542.
71. **El Sherbieny, H.Y.; T.A. Abdallah; A.A. El Khishen and Afaf A.I. Gabr (2008).** Genotype \times environment interaction and stability analysis for grain yield in some white maize (*Zea mays* L.) hybrids. Annals of Agric. Sci., Moshtohor, 46(4): 277-283.
72. **Gabr, Afaf A.I.; M.E.M. Abd El Azeem and T.A.E. Abdallah (2008).** Combining ability analysis of grain yield and some agronomic traits of nine maize inbred lines. Egypt. J. Appl. Sci; 23(12B): 520-529.
73. **Barakat A.A. and M.M.A. Osman (2008).** Evaluation of some newly developed yellow maize inbred lines for combining ability in two locations. J. Agric. Sci. Mansoura Univ. 33 (7): 4667-4679.
74. **A.A. Barakat and M.A. Abd ELMoula (2008).** Combining ability in maize top - crosses for grain yield and other traits. Minia of Agric Res. and develop. Vol. (28) No. 1 pp 129- 147.
75. **Barakat A.A. and M.M.A. Osman (2008).** Gene action and combining ability estimates for some white promising maize inbred lines by top cross system. J. Agric. Mansoura Univ. 33 (10): 7009-7023.

76. **Barakat A. A. and M.M.A. Osman (2008).** Combining ability estimates of maize inbred lines by top crosses for grain yield and other traits. J. Agric. Mansoura Univ. 33 (9): 6291-6302.
77. **E.H.El-Seidy, R.A.El-Refaey, A.A.Barakat and R.H.El-sebaay (2009).** Comparing the expected and actual gain from selection in yellow maize population using two different selection intensities. 6th International plant Breeding Conference, Ismalia, Egypt May 3-5, 2009.
78. **Abdallah, T.A.; Afaf A.I. Gabr and A.A. El Khishen (2009).** Combining ability in line \times tester crosses of maize (*Zea mays* L.). Annals of Agric. Sci., Moshtohor, 47(1): 11-20.
79. **El Sherbieny, H.Y.; A.A. El Khishen; A.E.M.K. El-Galfy and Afaf A.I. Gabr (2009).** Biplot analysis of genotype by environment interaction for grain yield in maize. Annals of Agric. Sci., Moshtohor, 47(1): 83-93.
80. **Habliza, A.A. and Afaf A.I. Gabr (2009).** Relative performance of four types of testers to identify elite inbred lines of maize (*Zea mays* L.). Alex. J. Agric. Res. 54(1): 29-38.
81. **Abd El Azeem, M.E.M.; A.A. El Khashen and Afaf A.I. Gabr (2009).** Combining ability analysis of yield and yield contributing characters in maize. Minufiya J. Agric Resh., 34(3): 1177-1189.
82. **Abdallah, T. A. E., A. M. M. Abd El-Aal and M. A. Mostafa (2010).** Stability and Genotype-Environment interaction for grain yield and other agronomic traits of yellow maize hybrids. Egypt. J. Agric. Res. special Issue the 3rd field crops conference 24-25 October 2010. 88(1): 21-38.
83. **Nawar A.A.; Sh.A.El-Shamarka ; A.N.M. Khalil ; M.E.M. Abdel-Azeem and H.A.A. Gamea (2010).** Estimation of some genetic parameters in a yellow maize population. Alex. J. Agric. Res. 55 (1): 11-19.
84. **Abdallah,T. A. E., M. A. Abd EL-Moula, M. B. A. EL-Koomy. M. A. Mostafa and M. A. G. Khalil (2011).** Genotype \times environment interaction and stability parameters for grain yield in some promising maize hybrids .Egypt, J. plant Breeding 15(3): 61-70.
85. **Abdallah, T. A. E, Kh, A. M .Ibrahim and M. A. A. Mostafa (2011).** Combining ability evaluation of yellow maize inbred lines derived from different sources. Egypt .J. plant. Breed. 15 (5):171-186.

- 86. Abd El-Latif, M.S., A.M. Esmail, M.F. Ahmed and H.Y. El-Sherbeiny (2011).** Variation, combining ability and biochemical genetic marker for drought tolerance in maize. *J. Biol. Chem. Environ. Sci.* 6(4): 143-166.
- 87. Shaboon S.A.; M.S.E. Sadek; H.A.A. Gamea and M.B.A. El-Koomy (2012).** Combining ability analysis for nine promising white maize inbred lines in a half-diallel cross. *Egypt. J. Plant Breed.* 16(2): 161-172.
- 88. Abd EL-Mattalb, A. A., M. A. Mostafa and H. A. A. Gamea (2013).** Combining ability for yield and some agronomic traits of seven white maize inbred lines. *Egypt. J. plant Breed.* 17(3):13-22.
- 89. Mostafa, M. A. A., M. A. G.Khalil and I. A. I. El-Gazar (2013).** Estimation of combining ability of new white maize inbred lines using line \times tester mating design. *Egypt. J. plant Breed.* 17 (2):297-305.
- 90. Abd El Azeem, M.E.M; M.A. Abd El Moula; H.A.A. Gamea and A.A. Abd El Mottalb (2013).** Stability Parameters and Performance of Some New White Maize Genotypes. *Minufiya J. of Agric. Res.* 38(5): 1139-1149.
- 91. Mostafa, M. A. (2014).** Combining ability analysis of some new yellow maize (*Zea mays* L.) inbred lines. *Minufiya J. Agric. Res.*, 39 (1):131-141.
- 92. Abd El Mottalb, A.A. and H.A.A. Gamea (2014).** Combining ability analysis in new white maize inbred lines (*Zea mays* L.). *Minufiya J. of Agric. Res.* 39(1):143-151.
- 93. Abd El-Latif, M.S., A.M. Esmail, M.F. Ahmed and T.A.E. Abdalla (2014).** Genetic estimates of some agronomic traits and molecular markers for drought tolerance in maize. *J. Biol. Chem. Environ. Sci.* 9(2): 431-453.
- 94. ELsayed, W.M. and M.A.A. Mostafa (2015).** Evaluation of some new yellow maize inbred lines VIA Top crosses analysis. *Egypt. J. plant Breed.* 19(7): 2241-2251.
- 95. Mosa, H.E.,M.S.M. Soliman, A.A. Elshenawy, E.A. Amer, A.A. Motwe:, I.A.I. ELGazzar, M.A.A. Hassan, S.M. Aboelharess, M.A.A. Mostafa and A.A. Abd ELMottaleb. (2015).** Stability of maize hybrids grown for high grain yield. *Egypt. J. plant Breed.* 19(7): 2155-2163.

96. **ELsayed, W.M.E., S.F. morgan and M.A.A. Mostafa (2015).** Performance and combining ability for some newly developed yellow maize lines . Egypt. J. of Apple Sci., 30(12): 552-563.
97. **Gamea H.A.A. (2015).** Estimates of combining ability of new yellow maize inbred lines using top-crosses. Egypt J. Agric. Res., 93, 2 (A): 287- 298.
98. **Abo Yousef, H.A.; Moshera, S.E. Sadek and H.A.A. Gamea (2016).** Evaluation of some new white maize top crosses for yield and some other traits. Alex. J. Agric. Sci. Res. 61 (4): 409-418.
99. **Moshera, S.E. Sadek; A.A. Abd El Mottalb and H.A.A. Gamea (2016).** Estimation of combining ability for some promising white maize inbred lines through line x tester mating design under different locations. Egypt. J. Plant Breed. 20 (4): 192-208. Special Issue.
100. **Mostafa, A.K.and M.A.A mostafa. (2017)** combining ability of nine white maize inbred lines for yield and some agronomic traits. Menoufia.I. Plant Prod. 2(10): 407-417.
101. **Sadek, M.S.E., Maha, G. Balbaa and Mostafa, M.A.A. (2017).** Combining ability analysis of new yellow maize inbred lines for yield and some related characters. Alex. J. of Agric. Sci. 62 (2): 209-217.
102. **Sadek E.S.; Maha G. Balbaa; Moshera, S.E. Sadek; H.A.A. Gamea; H.A. Abo Yousef; A.A. Abd El Mottalb and A.K. Mostafa (2017).** Stability analysis for grain yield of some new yellow maize genotypes. Alex. J. Agric. Sci. Res. 62 (2): 157-162.
103. **M.S. Abd El-Latif (2017).** Estimation of combining ability effects of fifteen yellow maize inbred lines by using top crosses. Egypt. J. Plant Breed. 21 (5): 331–339.
104. **Afaf, A.A. Gabr, A.A.AbdEL-Mottalb, M.A.G.Khalil, M.A.A. Mostafa, S.F. Morgan, Maha G. Balbaa and M.M.B. Darwich (2018).** Genotype × Environment interaction and Stability Parameters for grain yield of new maize hybrids. Egypt. J. Plant Breed. 22 (5) 1015-1026.
105. **Mostafa, M.A.A (2018).** Estimates of combining ability in seven newaly yellow maize inbred lines for grain yield and some agronomic traits. Archives of Agrcultural sciencecs Journal (Vol.1, Issue2).
106. **Gamea H.A.A.; M.M.B. Darwich and H.A. Abo Yousef (2018).** Combining ability for some inbred lines in half-Diallel crosses of

maize under two different locations conditions. Archives of Agriculture Sciences Journal 1(3):14-25. Special Issue.

- 107. Abo Yousef H.A.; H.A.A. Gamea and A.M.EL. Mohamed (2018).** Estimates of combining ability for grain yield and other agronomic traits in yellow maize hybrids. Archives of Agriculture Sciences Journal 1(3):113-121. Special Issue.
- 108. M.R. Ismail, M.S. Abd El-Latif and M.A.A. Abd-Elaziz (2018).** Combining ability analysis for some top crosses of white maize. Egypt. J. Plant Breed. 22 (5): 1003-1013.
- 109. Morgan, S.F., M.S. Abd El-Latif and I.A. Abou Hussien (2018).** General and specific combining ability studies in maize using line \times tester design. Proceeding of the seventh Field Crops Conference, 18-19 Dec. 2018, Giza, Egypt: 165-172.
- 110. Gabr Afaf A.I., T.A.E. Abdallah and M.S. Abd El-Latif (2018).** Genetic estimates of some agronomic traits and molecular markers for drought tolerance in maize. Archives Agri. Sci. J. 1(2):79-90.
- 111. H.E. Mosa, A.A. Motawei, M.A.A. Hassan, S.M. Abo El-Haress, Yosra A. Galal, I.A.I. El-Gazzar and M.S. Abd El-Latif (2019).** Combining ability for sweet corn (*Zea mays saccharata*) inbred lines. Egypt. J. Plant Breed. 23 (7): 1377-1389.
- 112. Gamea H.A.A. (2019).** Genetic analysis for grain yield and some agronomic traits in some new white maize inbred lines by using line \times tester analysis. Alex. J. Agric. Sci. Res. 64 (5): 309-317.
- 113. Gamea H.A.A.; Sahar A. Farg and H.A. Abo Yousef (2019).** Combining ability of some white maize inbred lines for grain yield and some other traits. J. of Plant Production, Mansoura Univ. Vol. 10 (12): 1059-1063.
- 114. El-Shamarka S.A.; I.H. Darwish; Marwa M.EL-Nahas; H.A.A. Gamea and A.A. EL-Harany (2019).** Improving drought tolerance in white maize population. Alex. J. Agric. Sci. Res. 64 (5): 341-351.
- 115. Gamea H.A.A. (2020).** Mean performance, type of gene action, combining ability and superiority percentage of some new white inbred lines in top crosses.
- 116. M.A.A. Abd-Elaziz, M.S. Abd El-Latif, Yosra A. Galal, R.H.A. Alsebaey and H.A.A. Mohamed (2020).** Stability for grain yield of some promising maize hybrids. Egypt. J. Plant Breed. 24 (1): 55-63.

117. **Abd El-Latif, M.S., S.M. Abo El-Haress, M.A.A. Hassan and M.A.A. Abd-Elaziz (2020).** Evaluation and classification of two sets of yellow maize inbred lines by line \times tester analysis. Egypt. J. Plant Breed. 24 (1): 65-79.
118. **M.A.A. Abd-Elaziz, M.S. Abd El-Latif, H.A.A. Mohamed and R.H.A. Alsebaey (2020).** Effect of different planting dates on yield and some agronomic characters of twelve maize hybrids. American-Eurasian Journal of Agronomy 13 (1): 07-13.
119. **Hatem El-Hamady Mosa, Mohamed Soliman Mohamed Soliman, Alaa El-Din Mahmoud Khalil, El-Galfy, Tamer Abd El Fattah Abdallah, Ibrahim Abd Elnaby Ibrahim El-Gazzar, Mohamed Arafa, Ali Hassan, Saied Mohamed Khalil Abo El-Harees, Mohamed Abd-Elaziz Abd-Elnaby Abd-Elaziz and Wael Mohamed El Nabawy El Sayed (2021).** Simultaneous Selection of Promising Maize Hybrids for High Grain Yield and Stability. Agric. Res. J. 58(6): 958-965.
120. **Abd El-Azeem, M.E.M.; R.S.H. Aly; W.M. El Sayed and Noura A. Hassan (2021).** Combining Ability and Gene Action Using 10×10 Diallel Crosses of Ten Maize Inbred Lines (*Zea mays* L.). J. of Plant Production, Mansoura Univ. 12(11): 1205-1211.
121. **Sedhom A.S., 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.Baiummy, M.M. El-Nahas (2021).** Molecular markers and GGE biplot analysis for selecting higher-yield and drought-tolerant maize hybrids. Agronomy Journal 113: 3871-3885.
122. **Aly, R.S.H.; M.E.M. Abd El-Azeem; A.A. Abd El-Mottalb and W.M. El Sayed (2022).** Genetic Variability, Combining Ability, Gene Action and Superiority for New White Maize Inbred Lines (*Zea mays* L.). Journal of Plant Production Sciences 11(1): 1-10.
123. **Mosa, H.E., M.S.M. Soliman, A.A. Motawei, M.A.G. Khalil, I.A.I. El-Gazzar, M.A.A. Hassan, S.M. Abo El-Haress, Yosra A. Galal, H.A. Darwish and W.M. Elsayed (2022).** Response of Three Cycles of S_1 Recurrent Selection for Grain Yield in Maize Population Sakha 14. Plant Cell Biotechnology and Molecular Biology 23(9&10): 85-91.

124. **Abd El-Latif, M.S., Yosra A. Galal, M.S. Kotp, W.M. El Sayed, H.A. Abo Yousef, M.M.B. Darwich (2022).** Yield Stability and Relationships among Parameters in Maize. *African Crop Science Journal* 31(1): 75-84.
125. **Abd El-Azeem, M.E.M; A.A. Abd El-Mottalb, R.S.H. Aly, W.M. El-sayed and E.I.M. Mohamed (2022).** Combining Ability of Some New Yellow Maize Inbred Lines by Using Line \times Tester Analysis. *J. Adv. Agric. Res.* 27(2): 442-448.
126. **M.G. Abd-Elnaser, M. F. Ahmed, S.H. Saleh, M.A. Rashed, M.S. Abd El-latif (2022).** Evaluation of inbred lines of maize in a diallel cross under normal condition and drought stress. *Arab Universities J. Agri. Sci.* 30(2): 215-228.
127. **Mosa, H.E., A.A.El-Shenawy, E.A. Amer, A.A. Motawei, A.M.M. AbdEl-Aal, M.A.M. El-Ghonemy, M.A.A. Mostafa, M.A.G. Khalil, I.A.I. El-Gazzar, M.A.A. Hassan, S.M. Abo El-Haress, W.M. El Sayed, A.K. Mostafa, M.M. B. Darwich, M.S. Abd El-Latif, Yosra A. Galal, E.I.M. Mohamed, H. M. El-Shahed, A.M. Abu shosha, Noura A. Hassan, M.S. Kotp, M.R. Ismail, M.S. Rizk and T.T. El-Mouslhy (2022).** Registration and releasing of two new yellow hybrids of maize in Egypt. *Egypt. J. Plant Breed.* 26(2): 159-170.
128. **Abd El-Azeem, M.E.M., M.A.A. Abd-Elaziz, Yosra A. Galal, W.M.E. El Sayed and M.R. Ismail (2023).** Adaptability and Stability of Maize Hybrids for Grain Yield. *Egypt. J. Plant Breed.* 27(2): 193-202.
129. **Abd El-Azeem, M.E.M., R.S.H. Aly, M.S. Abd El-Latif, M.A.A. Abd-Elaziz and W.M. El-Sayed (2023).** Combining Ability of New White Maize Inbred Lines by Using Test Crosses Technique. *Egypt. J. Plant Breed.* 27(3): 309-326.
130. **Aly, R.S.H.; Abd El-Azeem, M.E.M. and W.M. EL. Sayed (2023).** Combining Ability and Classification of New Thirteen Yellow Maize Inbred Lines (*Zea mays* L.) Using Line \times Tester Mating Design across Three Locations. *Journal of Plant Production Sciences* 12(1): 21-30.
131. **M.S. Abd El-Latif, I.A.I. El-Gazzar, S.M. Abo El-Haress, M.S. Kotp, A.K. Mostafa and S.S.A. Elsayed (2023).** Genetic analysis of nine yellow maize inbred lines for yield and resistance to northern leaf blight disease. *Al-Azhar Journal of Agricultural Research*, 48(3): 121-131. [2nd International Scientific Conference "Agriculture and

Futuristic Challenges (Food Security: Challenges and Confrontation)", Faculty of Agriculture, Al-Azhar University, Cairo, Egypt, October 10th-11th, 2023]

- 132. M. El. M. Abd El-Azeem, M.A. Abd El-Moula, A.K. Mostafa, A.A. El-Mottalb, and W.M. El Sayed (2023).** Evaluation of new white maize (*Zea mays* L) genotypes under drought stress using selection indices. New Valley Journal of Agricultural Science, 3 (9): 938-956.
- 133. M.R. Ismail, A.K. Mostafa, M.A.A Abd-Elaziz, M.S. Rizk and T.T El-Mouslhy (2023).** Heterotic grouping of maize inbred lines using line × tester analysis. Electronic Journal of Plant Breeding, 14(4): 1293 -1301.
- 134. S.Th.M. Mousa, M.S. Abd El-Latif, H.A.A. Mohamed and A.K. Mostafa (2023).** General and specific combining ability of new white maize inbred lines for some agronomic traits. Egypt. J. Plant Breed. 27(3): 383-397.
- 135. H.E. Mosa, M.S.M. Soliman, A.A. El-Shenawy, E.A. Amer, A.A. Motawei, A.M.K. El-Galfy, M.A.G. Khalil, I.A.I. El-Gazzar, M.A.A. Hassan, S.M. Abo El-Haress, M.S. Abd El-Latif, Yosra A. Galal, M.A.A. Abd-Elaziz, M.S. Kotp, M.S. Rizk and T.T. El-Mouslhy (2023).** Evaluation of stability parameters for discrimination of adaptable, stable and high yielding maize hybrids. Egypt. J. Plant Breed. 27(1): 111-125.
- 136. Abd El-Latif, M.S., Yosra A. Galal and M.S. Kotp (2023).** Combining ability, heterotic grouping, correlation and path coefficient in maize. Egypt. J. Plant Breed. 27(2): 203-223.
- 137. Khalifa, K.I., M.S. Abd El-Latif, H.A.A. Mohamed, M.M.D. Darwish, A.K. Mostafa and N.A. Hasan (2023).** Impact of planting date on growing degree units, grain yield and growth traits of some Egyptian yellow maize inbred lines. Annual Research Review in Biology 38(6): 44-54.
- 138. A.S.M. AL-Deeb, Noura A. Hassan, M.S. Abd El-Latif, H.A.A. Mohamed and A.K. Abdelhalim (2023).** Performance of some new white maize crosses under water stress condition. Journal of the Advances in Agricultural Researches 28(4): 990-1000.
- 139. Ismail, M.R., H.A. Aboyousef, M.A.A. Abd-Elaziz, A.A.M. Afifi and M.S. Shalof (2023).** Diallel analysis of maize inbred lines for

estimating superiority and combining ability. *African Crop Science Journal* 31: 417–425.

140. **M.R. Ismail, M.G. Balbaa, M.S. Kotp and A.S. Al-Deeb (2023).** Selection of stable and high-yielding hybrids of maize based on various stability parameters. *Electronic Journal of Plant Breeding* 14(2): 396–401.
141. **M.E.M. Abd El-Azeem, R.S.H. Aly, A.K. Mostafa and H.A.A. Mohamed (2024).** Superiority and combining ability for grain yield and agronomic traits of maize (*Zea mays* L). *Assiut Journal of Agricultural Sciences* 55 (2): 15-28.
142. **M.R. Ismail, H.A. Aboyousef, A.K. Mostafa, A.A.M. Afife and M.S. Shalof (2024).** Assessment of combining ability and mean performance of yield and its contributing traits in maize through line \times tester analysis. *Egypt. J. Plant Breed.* 28(1): 117-133.
143. **M.E.M. Abd El-Azeem, Yosra A. Galal, R.H.A. Alsebaey, A.K. Mostafa, M.A.A. Abd-Elaziz and M.S. Rizk (2024).** AMMI, parametric and non-parametric stability analysis of multi-environment yield trials in maize. *Journal of Plant Production, Mansoura Univ.*, 15 (9): 471- 475.
144. **H.E. Mosa, M.A. Abd El-Moula, A.M.M. Abd El-Aal, I.A.I. El-Gazzar, M.A.A. Hassan, S.M. Abo El-Haress, M.S. Abd El-Latif and M.A.A. Abd-Elaziz (2024).** Combining ability and relationships among heterotic grouping classification methods for nine maize inbred lines. *Egypt. J. Plant Breed.* 28(1):1-20.
145. **H.E. Mosa, M.A. Abd El-Moula, A.A. Motawei, I.A.I. El-Gazzar, M.S. Abd El-Latif, M.S. Rizk and T.T. El-Mouslhy (2024).** Classifying new maize inbred lines into heterotic groups using three methods. *Egypt. J. Plant Breed.* 28(1):135-154.
146. **H.M. Abd-Elmonem, Amal Z.A. Mohamed, S.H. Saleh, Y.A. El-Gabry and M.S. Abd-Ellatif (2024).** Evaluation of some inbred lines of maize in a diallel cross under two sowing dates. *East Journal of Agriculture Research* 13(3): 883-902.
147. **H.E. Mosa, M.S.M. Soliman, M.A. Abd El-Moula, M.S. Abd El-Latif, M.S. Rizk and T.T. El-Mouslhy (2024).** Estimation of specific combining ability effects using two methods and their relationships with mean performance and heterotic groups in maize. *Egypt. J. Plant Breed.* 28(3): 281-299.

148. Mosa, H.E., M.S. Abd El-Latif, Yosra A. Galal, M.S. Rizk, T.T. El-Mouslhy and A.A.M. Afife (2024). Combining ability for some new popcorn inbred lines under two plant densities conditions. *J. Plant Prod.*, Mansoura Univ. 15(7): 391-396.
149. M.S. Abd El-Latif, H.A. Aboyousef, R.H.A. Alsebaey, A.A.M. Afife and M.S. Shalof (2024). Evaluation of some yellow maize hybrids for grain yield and earliness. *Egypt. J. Plant Breed.* 28(2): 187-198.
150. Abd-Elaziz, M.A.A., M.M.B. Darwish, H.A. Aboyousef, A.A.M. Afife, M.R. Ismail and N.A. Hassan (2024). Diallel analysis of seven maize inbred lines for different characters across locations. *Journal of the Advances in Agricultural Researches* 29(1): 16–21.
151. Ismail, M.R., H.A. Aboyousef, R.H.A. Alsebaey, A.A.M. Afife and M.S. Shalof (2024). Enhancing maize yield: analyzing combining ability and superiority of newly developed inbreds for enhanced yield through diallel analysis. *Journal of Plant Production* 15(5): 249–253.
152. H.E. Mosa, M.S. Abd El-Latif, M.S. Kotp, M.S. Rizk and H.A.A. Mohamed (2025). Classification of maize inbred lines into heterotic groups using specific combining ability effects for grain yield. *Egypt. J. Plant Breed.* 29(1): 1-15.
153. H.A. Aboyousef, M.S. Abd El-Latif, A.M. Abu Shosha and A.M.El. Mohamed (2025). Analysis of combining ability for yield and other traits of yellow maize inbred lines using diallel crosses. *J. Plant Prod.*, Mansoura Univ. 16(4): 121-126.
154. H.E. Mosa, M.A. Abd El-Moula, A.A. Motawei, A.A. El-Shenawy, E.A. Amer, M.E.M. Abd El-Azeem, M.A.M. El-Ghonemy, S.Th.M. Mousa, R.S.H. Aly, Maha G. Balbaa, M.A.G. Khalil, I.A.I. El-Gazzar, M.A.A. Hassan, S.M. Abo El-Haress, M.A.A. Mostafa, M.S. Abd El-Latif, H.A. Aboyousef, Yosra A. Galal, H.A.A. Mohamed, R.H.A. Alsebaey, M.A.A. Abd-Elaziz, H. M. El-Shahed, A.M. Abu Shosha, A.S.M. Al-Deeb, M.S. Kotp, M.R. Ismail, M.S. Rizk and T.T. El-Mouslhy (2025). Releasing of six new commercial maize hybrids for enhancing yield producibility in Egypt. *Egypt. J. Plant Breed.* 29(1): 35-49.
155. R.S.H. Aly, M.E.M. Abd El-Azeem and A.K. Mostafa (2025). Line \times tester analysis using three-way crosses of yellow maize in a multi-location trial. *Assiut Journal of Agricultural Sciences* 56(1): 21-32.
- 156.