



List of Publications

1- Thesis

El-Aref, H.M. (1985). "Genetic studies on economical characters in tomato". MSc thesis, Assiut Univ., Egypt.

El-Aref, H.M. (1993). "Selection for salt tolerance and *Fusarium* resistance within anther culture derived progenies of *Solanum tuberosum*". PhD thesis, Assiut Univ., Egypt.

2- Published papers:

- 1- Younis, S.E.A.; Omara, M.K.; Tahany, H.I. Sherif; and **El-Aref, H.M.** (1987). A diallel analysis of earliness and some other vegetative characters in tomato (*Lycopersicon esculentum* Mill.). Assiut J. Agric. Sci., 18: 279-290.
- 2- Omara, M.K.; Younis, S.E.A.; Tahany, H.I. Sherif; Hussein, M.Y. and **El-Aref, H.M.** (1988). A genetic analysis of yield and yield components in the tomato (*Lycopersicon esculentum* Mill.). Assiut J. Agric. Sci., 19: 227-238.
- 3- Uhrig, H., Effgen, S., **H. M. El-Aref** and Doerr, I. (1992). Potato cell cultures– Now need for screens. Plant tissue culture and gene manipulation for breeding and formation of phytochemicals (eds. By K. Oono *et al.*) [NIAR Japan, pp. 85-88.](#)
- 4- **El-Aref, H.M.** and A. E. El-Enany (1996). Alteration of gene expression in soybean callus cultures under cold and heat stresses. Egypt J. Genet. Cytol., 25 (1): 1-15.
- 5- **El-Aref, H.M.**, El-Farash, E. M. and Fahmy, F.G. (1996). Genotypic variability among potato clones derived from in vitro cultures as revealed by biochemical differences in isozyme banding pattern and potato yield. Assiut J. Agric. Sci., 27(2): 209-224.
- 6- El-Farash, E. M., **El-Aref, H.M.** and Fahmy, F.G. (1996). Exploring genotypic potential of selected sugarcane somaclonal for improve sugar content and yield. Assiut J. Agric. Sci., 27(2): 225-238.



- 7- **El-Aref, H.M.**, El-Farash, E. M. and Fahmy, F.G. (1997). The expression of pathogenesis-related proteins in selected high yield potato somaclones resistant to *Alternaria solani*. Proceeding of The 1st Scientific Conf. of Agriculture Sciences, Fac. of Agric., Assiut Univ., Assiut, Egypt December 13-14, Vol. 1:253-272.
- 8- **El-Aref, H.M.** and Taghian, A. S. (1997). A genetic analysis of esterase and peroxidase isozymes in different faba bean varieties. Assiut J. Agric. Sci., 28(2): 225-240.
- 9- Taghian, A.S. and **El-Aref, H.M.** (1997). Somaclonal variation and differential gene expression of albino and green sugarcane plants. Proceeding of The First Scientific Conf. of Agriculture Sciences, Fac. of Agric., Assiut Univ., Assiut, Egypt December 13-14, Vol. 1:273-286.
- 10- **El-Aref, H.M.**; Uhrig, H.; El-Helw, M.R. and Saleh, F.M. (1997). *In vitro* selection for *Fusarium* resistance via anther culture in potato. Proceeding of the First Scientific Conference of Agriculture Sciences, Fac. of Agric., Assiut Univ., Assiut, Egypt December 13-14.
- 11- **El-Aref, H.M.** and A.M. Hamada (1998). Genotypic differences and alterations of protein patterns of tomato explants under copper stress. ***Biologia plantarum* 41(4): 555-564.**
- 12- **El-Aref, H.M.**, H. Uhrig, M.R. El-Helw and F.M. Saleh (1998). Selection of NaCl-tolerant variants within anther culture derived embryoids of *Solanum tuberosum*. Assiut J. Agric. Sci., 29(1):133-147.
- 13- **El-Aref, H.M.**, El-Farash, E. M., Abdallah, H. I. and Amal A. T. (1998). *In vitro* expression of alfalfa genes during differentiation and under different stresses. Assiut J. Agric. Sci., 29:225-240.
- 14- El-Helw, M.R., **El-Aref, H.M.** and Taghian, A.S. (1999). Establishment of anther culture technique in sugarcane. First International Conference On: Sugar and Integrated industries "Present and Future", Luxor, Egypt February 15-18.
- 15- Aida M. El-Zawahri; **El-Aref, H.M.**; Naglaa G. Ahmed and Ali, A.A. (2000). Protein patterns of certain isolates of *Fusarium oxysporum* and *F. moniliforme* and their relation to virulence. Assiut J. Agric. Sci., 31 (4): 59-78.
- 16- El-Helw, M.R., **El-Aref, H.M.** and Taghian, A.S. (2001). Improving cane yield, salinity tolerance and disease resistance using anther and tissue culture techniques in sugarcane. The 2nd International Conference On: Sugar and Integrated industries "The Role of the Arab Region in the World Sugar Economy", Luxor, Egypt February 18-21, pp. 119-130.
- 17- Taghian, A.S., **H.M. El-Aref** and A.M. Hamada (2001). Genotypic changes in protein synthesis in tomato during low and high temperatures and the alleviation of chilling and heat injury by calcium. Assiut J. Agric. Sci., 32 (2): 249-266.



- 18- El-Helw, M.R.; El-Aref, H.M. and Taghian, A.S. (2002). The role of genetic and non-genetic factors in plant regeneration from immature inflorescence of sugarcane and evaluation of regenerants. *Assiut J. Agriculture Sci.*, 33:23-46.
- 19- El-Aref, H.M. (2002). *In vitro* selection of salt-tolerant tomato plants and the changes in gene expression under salinity stress. *Assiut J. Agric. Sci.*, 33(1): 23-46.
- 20- El-Aref, H.M. (2002). Employment of maize immature embryo culture for improving drought tolerance. Proceeding of the 3rd Scientific Conference of Agriculture Sciences, Fac. of Agric., Assiut Univ., Assiut, Egypt, 20-22. October. 2002, pp. 463-477.
- 21- El-Aref, H.M. (2002). An effective method for generating somaclonal variability in Egyptian garlic (*Allium sativum* L.). Proceeding of the 3rd Scientific Conference of Agriculture Sciences, Fac. of Agric., Assiut Univ., Assiut, Egypt, 20-22. October. 2002, pp. 479-495.
- 22- El-Aref, H.M.; Taghian, A.S. and Hassan, M.A.A. (2002): RAPD-PCR, isozyme and protein markers of *Fusarium* wilt resistant and high yield tomato selected somaclones. *Assiut J. Agric. Sci.*, 33(4): 43-65.
- 23- El-Sayed, N.E.; El-Aref, H.M.; Taghian, A.S. and Hashad, M.M. (2002): Molecular genetic markers in tomato somaclones selected for drought tolerance. *Assiut J. Agric. Sci.*, 33 (5):159-180.
- 24- El-Sayed, N.E. Abd-Elkrim, M.A., El-Aref, H.M., Taghian, A.S. El-Lithy, R.E (2003). Selection and molecular characterization of faba bean lines resistant to broomrape (*Orobanche crenata* Forsk). *Assiut J. Agric. Sci.*, 34 (1): 165-180.
- 25- Abo-Elwafa, A; Taghian, A.S.; El-Aref, H.M., El-Sayed, E and Abd-Elkrim, M.A (2003). Response to pedigree selection for seed yield and molecular genetic markers for new selected lines of lentil. *Assiut J. Agriculture Sci*, 34 (2): 1-23.
- 26- El-Aref, H.M. and El-Lithy, R.E.A. (2003). Genetical analysis of plant regeneration from faba bean tissue culture. *Assiut J. Agric. Sci.*, 34 (4):107-122.
- 27- El-Aref, H.M.; Taghian, A.S.; Abo-Elwafa, A. and Mervat M. Hashad (2003). Genetic studies on the progeny of plants regenerated from hexaploid wheat varieties. *Assiut J. Agric. Sci.*, 34(2):25-50.
- 28- Naglaa G. Ahmed and El-Aref, H.M. (2004). Protein patterns and pathogenicity of certain isolates of *Fusarium solani*. *Assiut J. Agric. Sci.*, 35(4):269-282.
- 29- Gamalat A. Abd-Elaah and El-Aref, H.M. (2005). Use of protein patterns in the discrimination of *Fusarium* species and isolates from onion plants cultivated in Upper Egypt. *El-Minia Science Bulletin* 16(1): 51-71.



- 30- Mervat M. Hashad; E.N. Elsayed; M.M. El-Defrawy; A.S. Taghian and H.M. El-Aref (2005). Molecular analysis of wheat lines selected for stress tolerance. Assiut J. Agric. Sci. 36 (1): 125-139.
- 31- El-Sayed, N.E.; Mervat M. Hashad, El-Defrawy, M.M.; **El-Aref, H.M.** and Taghian, A.S. (2005). Intra- and interrelationships between *Medicago sativa* and *Trifolium alexandrinum* as revealed by molecular markers. Assiut J. Agric. Sci. 36 (3): 13-26.
- 32- Heidi I.G. Abo-Elnaga and **El-Aref, H.M.** (2005). Protein patterns of certain isolates of *Fusarium solani* and *Fusarium sambucinum*, the causal pathogens of sugar beet damping-off and their relation to virulence. Assiut J. Agric. Sci. 36(2): 147-161.
- 33- El-Helw M, Taghian A, **El-Aref H**, Youssef M, (2007). Guava in vitro propagation, The second conference for applied research marketing, Ein Shams Univ., Egypt, (Poster), 2007.
- 34- **El-Aref, H.M.**; El-Farash, E.M.; Taghian, A.S., Ahmed, G.I. and Abdel-Fattah, B.E. (2008). Genetical and cytological studies on wheat anther culture. Assiut J. Agric. Sci. 39(2): 87-110.
- 35- Youssef M, El-Helw M, Taghian A, El-Aref H, (2008). Improvement of Psidium guajava Using Micropropagation, 2nd International Symposium on Guava and Other Myrtaceae. **November 10th-13th, 2008 in Mérida, Mexico., ISHS, (Poster # MP11), 2008.**
- 36- Youssef M, El-Helw MR, Taghian AS and **El-Aref HM** (2010). Improvement of Psidium guajava L. Using Micropropagation, **Acta Horticulturae, ISHS, 849, 223-230,** http://www.actahort.org/books/849/849_24.htm, 2010
- 37- Dhuha, S. M., Taghian, A. S., **El-Aref, H.M.** and Abd El-Fatah, B. E. (2012) Molecular Genetic markers for tissue culture response in peanut (*Arachis hypogaea* L.). Assiut J. Agric. Sci., 43 :74-99 (Special Issue)(The 6th Conference of Young Scientists Fac. of Agric. Assiut Univ. May,13,2012)
- 38- Fawaz, A. W; Nasr, M.I.; **Hamdy M. El-Aref***; Hemeida, A.A. and Alaa S. M. Abouel-Khier (2013). Genetic Analysis and Expected Response to Selection for Some Agronomical and Juice Quality Traits in Sugarcane (*Saccharum officinarum* L.). Assiut J. Agric. Sci. 44(3): 63-67.
- 39- Fawaz, A. W; Nasr, M.I.; **Hamdy M. El-Aref***; Hemeida, A.A. and Alaa S. M. Abouel-Khier (2013). Genetic Variability among Sugarcane Genotypes Based on TRAP Markers of Candidate Drought Genes and Some Agronomic Traits. Assiut J. Agric. Sci. 44(3): 46-62.
- 40- **Hamdy, M. El-Aref**, Adel, S. Taghian, Bahaa, E. Abd-El-Fatah and Dhuha, S. M. (2014). Gene Expression and *In Vitro* Selection for Salinity Tolerance in peanut. Assiut J. Agric. Sci., 45(2): 67-80 (Special Issue)(The 7th Conference for Junior Researchers, Fac. of Agric. Assiut Univ. April,28,2014)



- 41- Nasr, M.I.; Hamdy M. El-Aref*; Hemeida, A.A.; Alaa S. M. Abouel-Khier and Fawaz, A. W (2014). Genetic variability and relationships among sugarcane genotypes based on TRAP markers of sucrose metabolism gene family and juice quality traits. International Conference : IS-2014. Green Technologies for Sustainable Growth of Sugar & Integrated Industries in Developing Countries, November 25-28, 2014., [International Association of Professionals in Sugar and Integrated Technologies \(IAPSIT\), Guangxi Academy of Agricultural Sciences, China.](#)

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- 42- Sahar A. El-Sanousy, Adel S. Taghian, Hamdy, M. El-Aref and Mahmoud A. El-Rawy (2015). Genetic diversity in wheat genotypes using random amplified polymorphic DNA (RAPD). Assiut J. Agric. Sci., 46(2): (Special Issue)(The 8th Conference for Junior Researchers, Fac. of Agric. Assiut Univ. April,19,2015).

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