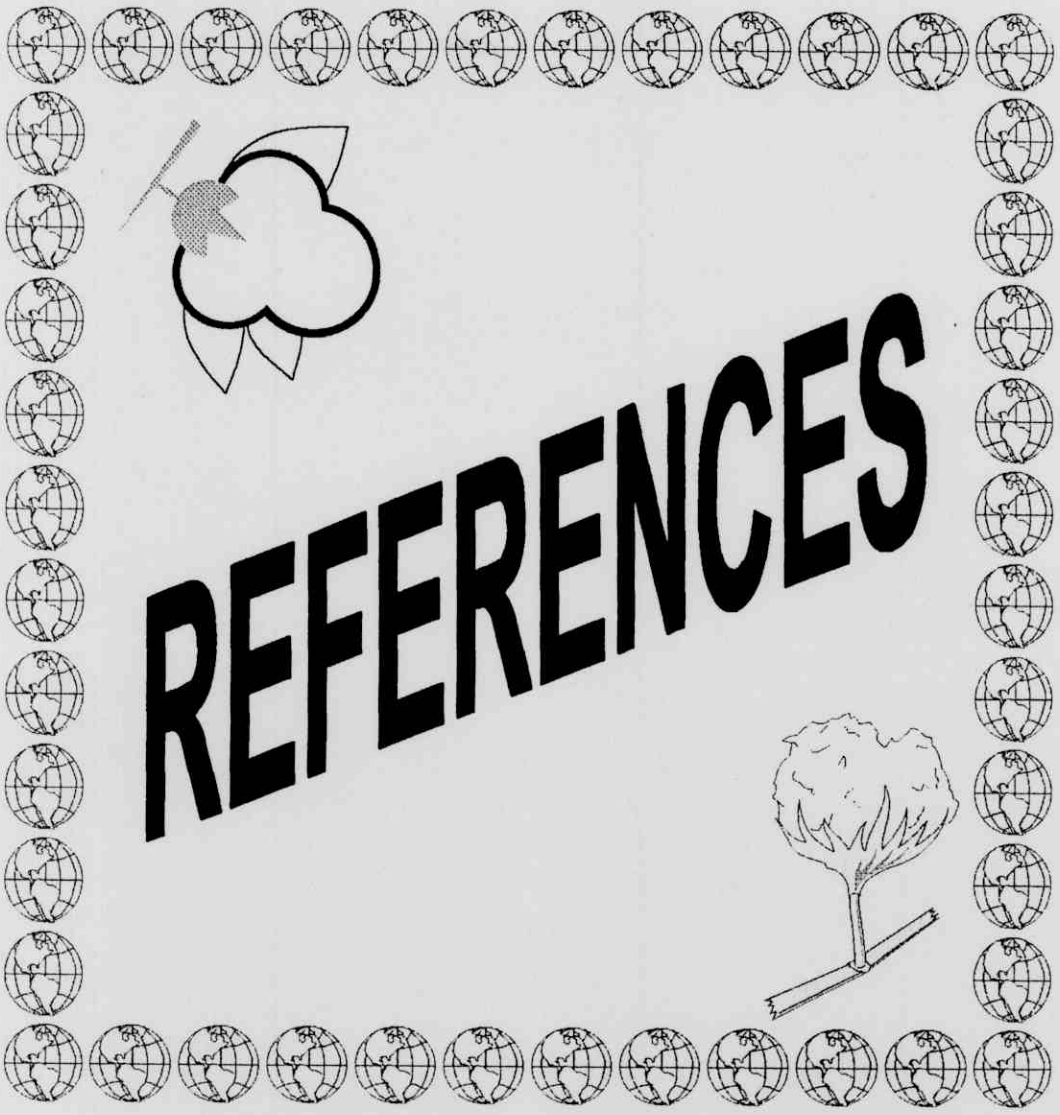
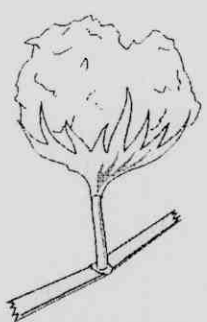


REFERENCES



6. REFERENCES

- Abd El-Bary, A.M.R. (2003).** Trialallel analysis of some quantitatively inherited traits in *Gossypium barbadense* L. Ph.D. Thesis, Fac. Agric., Mansoura Univ., Egypt.
- Abdel-Gelil, M.A.B. (2001).** Estimate of some genetic parameters in two Egyptian cotton crosses. J. Agric. Sci., Mansoura Univ., 26(8): 4637-4645.
- Abdel-Zaher, G.H. and M.A. Nagib (2002).** Evaluation of nine strains of Giza 83 cotton variety. J. Agric. Sci., Mansoura Univ., 27(9): 5693-5700.
- Abo-Arab, A.R.A.; A.F. Lasheen and Z.F. Abo-Sen (1997).** Genetical analysis of yield and its components in Egyptian cotton. J. Agric. Sci., Mansoura Univ., 22(11): 3675-3681.
- Abo-Sen, Z.F. (2001).** The relative contributions of yield components to cotton lint yield. J. Agric. Sci., Mansoura Univ., 26(2): 681-685.
- Ahmmed, M.A. and R.B. Mehra (2000).** Genetic characterization of a *Gossypium hirsutum* cross Pusa 45-3-6 x Pusa 19-27. Indian J. Genet., 60(4): 503-510.
- Ali, A.A. (1977).** Relative effectiveness of selection methods for lint percent in Egyptian cotton crosses. M.Sc. Thesis, Fac. Agric., Kafr El-Sheikh, Tanta Univ., Egypt.
- Al-Jibouri, H.A.; P.A. Miller and H.F. Robinson (1958).** Genotypic and environmental variances and covariances in an Upland cotton cross of interspecific origin. Agron. J. 50: 633-636.

- Allard, R.W.** (1960). Principles of plant breeding. John Wiley and Sons, Inc. New York.
- Al-Rawi, K.M. and A.A. Ahmed** (1984). Evaluation of the relative efficiencies of several selection indices for predicting yield performance in Upland cotton (*Gossypium hirsutum* L.). Iraqi J. Agric. Sci., 2(1): 15-27.
- Al-Rawi, K.M. and R.J. Kohel** (1969). Diallel analysis of yield and other agronomic characters in *Gossypium hirsutum* L. Crop Sci., 9: 779-783.
- A.O.C.S.** (1970). Official and Tentative Methods of Analysis Published by the American Oil Chemists Society. 2nd Ed. Chicago, Illinois, U.S.A.
- Atta, Y.T.; H.Y. Awad and M.A. El-Gharbawy** (1982). Inheritance of some quantitative characters in a cotton cross Ashmouny x (Giza 72 x Delecero). Agric. Res. Rev. 60(9): 17-31.
- Awaad, M.M.M.** (1989). Breeding behaviour of some characters in an Egyptian cotton hybrid. Ph.D. Thesis, Fac. Agric., Moshtohor, Zagazig Univ., Egypt.
- Awad, A.A.M.** (2001). Genetic studies for some quantitative characters in an intra-specific cotton cross (*Gossypium barbadense* L.). J. Agric. Res. Tanta Univ., 27(4): 698-708.
- Bedair, F.A.; M.A. Bishr; A.A. Abd El-Bary and A.A. El-Khishen** (1973). Estimation of genetic variance for yield and yield components in Egyptian cotton. Egypt. J. Genet. Cytol. 2: 148-154.

- Brim, C.A. and C.C. Cockerham (1961).** Inheritance of quantitative characters in soybeans. *Crop Sci.*, 1: 187-190.
- Brim, C.A.; H.W. Johnson and C.C. Cockerham (1959).** Multiple selection criteria in soybeans. *Agron. J.* 51: 42-46.
- Burton, G.W. (1952).** Quantitative inheritance in grasses. *Proc. 6th Internat. Grassland Congr.* 1: 277-283.
- Caldwell, B.E.; C.R. Weber and D.E. Byth (1966).** Selection value of phenotypic attributes in soybeans. *Crop Sci.*, 6: 249-251.
- Cockerham, C.C. (1963).** Estimation of genetic variance. In: Hanson, W.D. and H.F. Robinson (ed.) *Statistical Genetics and Plant Breeding*. Publ. 982. Nat'l. Acad. Sci. Nat'l. Res. Council. Washington, D.C., p. 53-93.
- Culp, T.W. and D.C. Harrell (1975).** Influence of lint percentage, boll size, and seed size on lint yield of Upland cotton with high fiber strength. *Crop Sci.*, 15(6): 741-746.
- Dani, R.G. (1999).** Genetic improvement of seed oil content, following indirect selection for earliness and fiber yield in cotton (*Gossypium hirsutum* L.). *Adv. Pl. Sci.*, 12(2): 479-492.
- Dewey, D.R. and K.H. Lu (1959).** A correlation and path coefficient analysis of components of crested wheat grass seed production. *Agron. J.* 51(9): 515-518.
- Eagles, H.A. and K.J. Frey (1974).** Expected and actual gains in economic value of oat lines from five selection methods. *Crop Sci.*, 14: 861-864.

- El-Adl, A.M. (1972).** Partition of genetic variance in an experimental cotton population. Ph.D. Thesis, North Carolina St. University.
- El-Adl, A.M. and P.A. Miller (1971).** Transgressive segregation and the nature of gene action for yield in an intervarietal cross of Upland cotton. *Crop Sci.*, 11: 381-384.
- El-Agamy, A.I. (1971).** Inheritance of branching behavior in crosses among Egyptian cotton varieties. Ph.D. Thesis, Al-Azhar Univ., Egypt.
- El-Agamy, A.I. and S.M.M. Yousef (1980).** Efficiency of two breeding methods for improving some quantitative characters in Egyptian cotton. *Agric. Res. Rev.* 58(9): 219-237.
- El-Ashry, M.M.A. (1979).** Breeding studies on cotton genetical evaluation of seed quality in some cotton cultivars and strains. Ph.D. Thesis, Fac. Agric. Alex. Univ., Egypt.
- El-Disouqi, A.E. and A.M. Ziena (2001).** Estimates of some genetic parameters and gene action for yield and yield components in cotton. *J. Agric. Sci., Mansoura Univ.*, 26(6): 3401-3409.
- El-Fawal, M.A.; A.M. Gad; A.A. Abdel-Bary and A.A. El-Khishen (1974).** Studies on gene action in an interspecific cross of cotton. II- Estimation of genetic variance and heritability. *Egypt. J. Genet. Cytol.*, 3(2): 236-245.
- El-Harony, H.A. (1999a).** Evaluation of genetic variances and correlations between cotton yield and its components

- among biparental progenies. J. Agric. Sci., Mansoura Univ., 24(3): 935-944.
- El-Harony, H.A. (1999b).** Estimation of some genetic parameters in Giza 76 open-pollinated variety. J. Agric. Sci., Mansoura Univ., 24(3): 1027-1041.
- El-Helw, S.S.H. (1990).** Diallel analysis of major yield components of cotton cultivars (*Gossypium barbadense* L.). Ph.D. Thesis, Fac. Agric., Kafr El-Sheikh, Tanta Univ., Egypt.
- El-Hifnawy, A.A. (1986).** Genetic studies on some important characters in the Egyptian cotton. M.Sc. Thesis, Fac. Agric., Zagazig Univ., Egypt.
- El-Kilany, M.A. (1970).** Comparative studies on lint percent, lint index and seed index of selected strains from Ashmouni, Dandara, Giza 47 and Giza 66 varieties of cotton. M.Sc. Thesis, Cairo Univ., Egypt.
- EL-Kilany, M.A. (1976).** Comparative studies of selection techniques in developing and maintaining Egyptian cotton. Ph.D. Thesis, Cairo Univ., Egypt.
- El-Kilany, M.A. (1986).** Selection procedures for maintaining Egyptian cotton (*Gossypium barbadense* L.). Com. Sci. & Dev. Res., 15(176): 164-191.
- El-Kilany, M.A. and A.F.H. El-Okkia (1986).** A genetic analysis of yield and some of its components in an inter-specific cotton cross. Com. Sci. & Dev. Res., 15: 24-47.
- El-Kilany, M.A. and M.M. El-Shishtawy (1986).** Heterosis and combining ability for seed cotton yield, some of its components and lint properties in a diallel crosses of two species of cotton. Com. Sci. & Dev. Res., 15: 48-65.

- El-Lawendey, M.M.A. (1999).** Studies on cotton breeding. M.Sc. Thesis, Fac. Agric., Kafr El-Sheikh, Tanta Univ., Egypt.
- El-Marakby, A.M.; M.E.M. El-Moghazi; A.M. Abou-Alam and S.M. Al-Khafajy (1980).** Path-coefficient analysis and response to selection for yield and its components in Egyptian cotton varieties. *Agric. Res. Rev.* 58(9): 417-435.
- El-Okkia, A.F.H. (1979).** Evaluation of selection indices in Egyptian cotton (*G. barbadense* L.). Ph.D. Thesis, Fac. Agric., Kafr El-Sheikh, Tanta Univ., Egypt.
- El-Okkia, A.F.H.; H.A. El-Harony and F.G. Younis (1990).** Genetics of some quantitative characters in Egyptian cotton (*Gossypium barbadense* L.). *Com. Sci. & Dev. Res.*, Vol. 29.
- El-Okkia, A.F.H.; H.B. Abou-Tour and M.M. El-Shishtawy (1989).** Genetic analysis of yield and other important characters in Egyptian cotton (*Gossypium barbadense* L.). *Menofiya J. Agric. Res.*, 14(2): 855-874.
- Esmail, R.M. (1996).** Inheritance of yield and its components in some cotton crosses. Ph.D. Thesis, Fac. Agric. Menofiya Univ., Egypt.
- Fisher, R.A. (1918).** The correlation between relatives on the supposition of Mendelian inheritance. *Trans. Roy. Soc. Edinburgh.* 52: 399-433.
- Galal, H.E. (1960).** A study of the variation in economic characters in the Menoufi variety of cotton. M.Sc. Thesis, Fac. Agric., Cairo Univ., Egypt.

- Gamble, E.E. (1962).** Gene effects in corn (*Zea mays* L.). I- Separation and relative importance of gene effects for yield. Canadian J. of Plant Sci., 42: 339-348.
- Garg, H.R.; T.H. Singh and G.S. Chahal (1987).** Genetic analysis through triple-test cross in the F₂ population of Upland cotton. Indian J. Agric. Sci., 57(10): 701-704.
- Gomaa, M.A.M. (1997).** Genetic studies on yield, yield components and fiber properties in three Egyptian cotton crosses. Annals Agric. Sci., Ain-Shams Univ., Cairo, 42(1): 195-206.
- Gomaa, M.A.M. and A.M.A. Shaheen (1995a).** Heterosis, inbreeding depression, heritability and type of gene action in two intra-barbadense cotton crosses. Annals Agric. Sci., Ain-Shams Univ., Cairo, 40(1): 165-176.
- Gomaa, M.A.M. and A.M.A. Shaheen (1995b).** Earliness studies in inter-specific cotton crosses. Annals Agric. Sci., Ain-Shams Univ., Cairo, 40(2): 629-637.
- Gomaa, M.A.M.; A.M.A. Shaheen and S.A.M. Khattab (1999).** Gene action and selection indices in two cotton (*Gossypium barbadense* L.) crosses. Annals Agric. Sci., Ain-Shams Univ., Cairo, 44(1): 293-308.
- Gooda, B.M.R. (2001).** Application of certain selection techniques in evaluating and maintaining Egyptian cotton varieties. M.Sc. Thesis, Fac. Agric., Kafr El-Sheikh, Tanta Univ., Egypt.
- Goulden, C.H. (1952).** Methods of statistical analysis. 2nd ed. Wiley and Sons, Inc., New York.

- Hassaballa, E.A.; E.E. Mahdy; M.A. Khalifa and F.G. Younis (1987).** Correlation and path-analysis as affected by selection procedures in an inter-specific cotton population. *Assiut J. Agric. Sci.*, 18(3): 85-100.
- Hassoub, E.K. (1986).** Breeding studies on cotton. M.Sc. Thesis, Fac. Agric. Menofiya Univ., Egypt.
- Hazel, L.N. (1943).** The genetic basis for constructing selection indices. *Genetics* 28: 476-490.
- Hendawy, F.A. (1994).** Quantitative inheritance of seed cotton yield and some of its components. *Menofiya. J. Agric. Res.*, Vol. 19 No. 5(1): 2287-2300.
- Hendawy, F.A.; H.A. Dawwam and A.N.M. Khalil (1989).** Genetical analysis of some characters of Egyptian cotton. *Menofiya J. Agric. Res.*, 14(1): 99-114.
- Jagtap, D.R. (1993).** Generation mean analysis for certain characters in Upland cotton. *J. Cotton. Res. Dev.*, 7(2): 218-228.
- Jagtap, D.R. and A.K. Kolhe (1986).** Genetic components of variation in Upland cotton (*Gossypium hirsutum* L.). *J. Indian Soc. Cotton Improve.* 11(1): 8-11.
- Johnson, H.W.; H.F. Robinson and R.E. Comstock (1955).** Estimation of genetic and environmental variability in soybeans. *Agron. J.* 47: 314-318.
- Kamalanathan, S. (1967).** A selection index for lint yield in cotton (*Gossypium hirsutum* L.). *Madras Agric. J.* 54: 612-618.
- Kerr, T. (1966).** Yield components in cotton and their interrelations with fiber quality. (18th) *Cott. Impr. Conf. Nat. Cott. Counc.*, Memphis, Tennessee, Jan., 11-12.

- Khalil, A.N.M. and A.B. Khattab (1997).** Quantitative inheritance of seed cotton yield and some agronomic traits. *Menofiya J. Agric. Res.*, 22(1): 43-55.
- Khan, I.A.; I.A. Khan and M. Ahmed (1980).** Study of gene action and combining ability in various characters of cotton (*G. hirsutum* L.). *Pak. Cottons*. 24(3): 217-224.
- Khattab, A.M.; H.Y. Awad and Y.M. Atta (1984).** Estimation of heterosis, inbreeding depression, potence ratio and gene action in an Egyptian cotton cross. *Ann. Agric. Sci., Moshtohor*, 21: 93-101.
- Kittock, D.L. and L.L.H. Pinkas (1975).** Relationship of seeds/boll to other yield components and fiber quality of Pima cotton. *Crop Sci.*, 15: 316-319.
- Lasheen, A.F. and Z.F. Abo-Sen (1998).** The actual and predicted genetic gain in Giza 75 cotton variety. *J. Agric. Sci., Mansoura Univ.*, 23(4): 1425-1429.
- Mahdy, E.E. (1983).** Selection index in cotton (*G. barbadense* L.). *Assiut J. Agric. Sci.*, 14: 267-282.
- Mahdy, E.E.; E.A. Hassaballa; M.A. Khalifa and F.G. Younis (1987a).** Relative efficiency of three selection procedures in improving yield and its components in Egyptian cotton. *Assiut J. Agric. Sci.*, 18(3): 159-175.
- Mahdy, E.E.; E.A. Hassaballa; M.A. Khalifa and F.G. Younis (1987b).** Comparative studies on three selection procedures in an inter-specific population of cotton. *Assiut J. Agric. Sci.*, 18(3): 179-195.

- Manning, H.L. (1963).** Realized yield improvement from twelve generations of progeny selection in a variety of Upland cotton. In W.D. Hanson and H.F. Robinson (ed.). Statistical genetics and plant breeding. Publ. 982 Nat'l. Acad. Sci.-Nat'l. Res. Council. Washington, D.C. p. 329-349.
- Marani, A. (1968).** Heterosis and inheritance of quantitative characters in interspecific crosses of cotton. *Crop Sci.*, 8: 299-303.
- Mather, D.E.; F.C. Gunsett; O.B. Allen and L.W. Kannenberg (1988).** Estimation of phenotypic selection differentials for predicting genetic responses to ratio-based selection. *Genome*, Vol. 30: 838-843.
- Mather, K. (1949).** Biometrical Genetics. Dover Publications, Inc., New York.
- Meena, R.A.; K. Rathinavel and P. Singh (1993).** Measures of planting seed quality in diploid and tetraploid cottons. *J. Cotton Res. Dev.*, 7(1): 146-148.
- Meena, R.A.; M.N. Mishra and R.G. Dani (2001).** Genetic variability and correlation for seed-quality parameters Upland cotton (*Gossypium hirsutum* L.). *Indian J. Agric. Sci.*, 71(6): 417-420.
- Meena, R.A.; P. Singh and R.K. Deshmukh (1991).** Potentials for seed setting in Egyptian cotton. *J. Cotton Res. & Dev.*, 5(1): 12-15.
- Meena, R.A. and R.K. Deshmukh (1990).** Correlation and path analysis for seed characters in Asiatic and American cottons. *J. Cotton Res. & Dev.*, 4(1): 16-20.

- Meredith, W.R.Jr. and R.R. Bridge (1972).** Heterosis and gene action in cotton, *G. hirsutum* L. Crop Sci., 12: 304-310.
- Meredith, W.R.Jr. and R.R. Bridge (1973).** Recurrent selection for lint percent within a cultivar of cotton (*Gossypium hirsutum* L.). Crop Sci., 13: 698-701.
- Miller, P.A.; J.C. Williams; H.F. Robinson and R.E. Comstock (1958).** Estimates of genotypic and environmental variances and covariances in Upland cotton and their implications in selection. Agron. J. 50: 126-131.
- Miller, P.A. and J.O. Rawlings (1967).** Selection for increased lint yield and correlated responses in Upland cotton, *Gossypium hirsutum* L. Crop Sci., 7: 637-640.
- Narayanan, S.S.; P. Singh and V.V. Singh (1988).** Effect of disruptive selection on seed-oil content in Upland cotton (*Gossypium hirsutum* L.). Indian J. Agric. Sci., 58(5): 399-400.
- Nassar, M.A.A. (2002).** Heterosis, inbreeding depression, potence ratio and some genetic parameters in two intraspecific cross of Egyptian cotton. J. Adv. Agric. Res., 7(2): 367-377.
- Okasha, A.A. (1998).** Study of correlation and path-coefficient for the major yield components in F₂ generation of an Egyptian cotton crosses. J. Agric. Sci., Mansoura Univ., 23(5): 1843-1853.
- Opondo, R.M. and R.S. Pathak (1982).** A study of heterosis and inbreeding depression for earliness and yield in Upland cotton, *Gossypium hirsutum* L. E. Afr. Agric. For. J. 48(2): 25-31.

References

- Pandey, S.N. (1977).** Utilization of cotton seed and its products. Cotton Development 7(1): 4-9.
- Pesek, J. and R.J. Baker (1970).** An application of index selection to the improvement of self-pollinated species. Can. J. Pl. Sci., 50: 267-276.
- Rahoumah, M.R.A.; Y.T. Atta and M.A.A. Raafat (1989).** Inheritance of some economic yield components and fiber properties in the interspecific hybrid *Gossypium barbadense* x *Gossypium hirsutum*. Agric. Res. Rev., 67(5): 695-705.
- Robinson, H.F.; R.E. Comstock and P.H. Harvey (1951).** Genetic and phenotypic correlations in corn and their implications in selection. Agron. J. 43: 283-287.
- Rowe, D.E. (1996).** Characteristics of the elite population selected on ratio criterion: II- Traits with unequal genetic variances. Crop Sci., 36: 586-591.
- Seyam, S.M. (1977).** Genetic analysis of certain economic characters in Egyptian cotton. Proc. 1th Agric. Conf. Muslim Sci., 3: 147-170.
- Shaheen, A.M.A.; M.A.M. Gomaa and R.M. Esmail (2000).** Response to selection for yield, yield components and fiber properties in three Egyptian cotton crosses. Annals Agric. Sci., Ain-Shams Univ., Cairo, 45(2): 491-506.
- Shanthi, S.; N. Nadarajan and S. Backiyarani (1999).** Genetic architecture of cotton seed oil content. Madras Agric. J. 86: 4-6.

- Silvela, L.; I. Lapena and R. Gomez-Ruano (1999).** Selection under negative linkage disequilibrium. Random mating versus inbreeding. *Heredity*, 82, 598-604.
- Singh, M.; V.P. Singh and K. Paul (1985).** Selection for yield and quality of *Gossypium hirsutum* L. *Indian J. Agric. Sci.*, 55(8):521-525.
- Singh, M.; V.P. Singh and K. Paul (1986).** Improvement of yield and quality in Upland cotton through progeny bulk selection. *Indian J. Agric. Sci.*, 56(8): 562-566.
- Singh, M.; V.P. Singh and K. Paul (1989).** Improvement of yield through increased boll weight in Upland cotton (*Gossypium hirsutum* L.). *Indian J. Agric. Sci.*, 59(3): 141-144.
- Singh, P.; S.S. Narayanan and P. Singh (1991).** Seed-oil improvement in Upland cotton (*Gossypium hirsutum* L.) through pedigree selection. *Indian J. Agric. Sci.*, 61(1): 43-44.
- Smith, C.W. and G.G. Coyle (1997).** Association of fiber quality parameters and within-boll yield components in Upland cotton. *Crop Sci.*, 37: 1775-1779.
- Smith, H.F. (1936).** A discriminant function for plant selection. *Ann. Eugenics*, 7, 240-250.
- Smith, H.F. (1952).** Fixing transgressive vigor in *Nicotiana rustica*. In heterosis, Iowa State College Press. Ames, Iowa, U.S.A.
- Steel, R.G.D. and J.H. Torrie (1960).** Principles and procedures of statistics. McGraw-Hill Book Company Inc., New York.

- Walker, J.T. (1960).** The use of a selection index technique in the analysis of progeny row data. *Emp. Cott. Gr. Rev.* 37: 81-107.
- Younis, F.G. (1980).** Genetical analysis of some agronomic characters in cotton. M.Sc. Thesis, Fac. Agric. Assiut Univ., Egypt.
- Younis, F.G. (1986).** Comparative studies on selection procedures in cotton. Ph.D. Thesis, Fac. Agric. Assiut Univ., Egypt.
- Younis, F.G. (1993).** Relative effectiveness of selection index and single trait selection for improving yield and its components in cotton (*G. barbadense* L.). *Annals Agric. Sci., Moshtohor*, 31(4): 1737-1751.
- Younis, F.G. (1999).** Predicted and realized responses to selection procedures for improving yield and its components in Egyptian cotton (*G. barbadense* L.). *Al-Azhar J. Agric. Res.*, 30: 17-23.
- Younis, F.G. (2000).** Estimates of genotypic and phenotypic variances and stepwise regression analysis in Egyptian cotton and their implication in selection. *J. Agric. Sci., Mansoura Univ.*, 25(2): 633-642.
- Younis, F.G.; K.A. El-Aref and A.M. Abo El-Wafa (2000).** Comparative studies for yield and its contributing characters in two genotype groups of Egyptian cotton (*G. barbadense* L.). *Al-Azhar J. Agric. Res.*, 32: 47-59.
- Yousef, S.M.M. (1979).** Effect of some breeding methods on some quantitative characters in Egyptian cotton. Ph.D. Thesis, Fac. Agric. Al-Azhar Univ., Egypt.

References
