

CHAPTER 6
LITERATURE CITED

- Abak, R., K. Buyuk and K. Neto. 2000.** Variables evaluation of some melon hybrids. Acta. Hort. 49: 57-64. CAB Abst. 2000/4.
- Abd El-Hadi, A. H; A. M. El-Adl; M. S. Hamada and M. A. Abdein 2005.** Manifestation of heterosis and genetic parameters associated with it for some vegetative and earliness traits in squash. J. Agric. Sci. Mansoura Univ., 30(3): 1363-1379.
- Abd-El-Rahman, M. E., A. M. Abd El-Halim; M. A. Mousa, S. Omima. 2011** Genetical studies on some important characters on melon (*Cucumis melo*, L.) A Thesis submitted, Alex. Univ. Egypt.
- Abd-El-Salam, M.M.M and R. Marie. 2002.** Genetically studies for improvement of fruit quality and yield of sweet melon (Ismaellawy). J. Agric. Sci. Mansoura. Univ, 27(11):7583-7593.
- Abd-El-Sayyed, S.M, S.M. Mahgoub, Y.T. Eman and E.R. Bauomy 2003.** Genetical studies on sweet melon fruit sensory quality characters. Zagazig. J. Agric. Res., 31(14):1553-1564.
- Adel H. A., M. Atif. 2014.** Genetic Variation in Snake Melon (*Cucumis melo* var. *flexuosus*) Populations from Jordan using Morphological Traits and RAPDs. Jordan J. Agric. Sci. 10 (1): 96-119.
- Alisdair, R. F, T. Yaakov, Z. Dani. 2006.** Natural genetic variation for improving crop quality. Current opinion in plant biology. 9: 196-202 full text provided by www. Science direct.com.
- Amy. S.; S. K. Eric, H. Robert 2003.** Assesing the eating quality of muskmelon varieties using sensory evaluation. Proc. Fla. Stat. Hort. Soc. 116: 360-363.
- Anne K. A.; N. S. Glauber, Q. A. Manoel, P. L. Elaíne and F. C. José. 2011.** Diallel analysis of yield and quality traits of melon fruits. Crop Breeding & Appl. Biotech. 11: 313-319.
- Antonio, I. I. C. 2004.** Depression by inbreeding after four successive self-pollination Squash generation. Sci. Agric. (Piracicaba. Braz), 61(2):224-227.
- Beal, W.J. 1880.** Changing seeds. Rept. Mich. Bd. Ag. 15: 206.
- Bernadac, A.M; A.Z. Alatche, M. Bouzayen and J.C. Peach. 2003.** Genetic engineering for postharvest quality. Posthar. Physiol. J: 853-862.
- Bhatt, G. M. 1971.** Heterosis performance and combining ability in a diallel cross among spring wheat (*Triticum sativum* L.) Aust. J. Agric. Res. 22: 329-368.
- Burger , Y ; U. Sa'ar, H.S. Paris, E. Lewinsohn, N. Katzir, Y. Tadmer and A.A. Schaffer 2006.** Genetic variability for valuable fruit quality trait in *Cucumis Melo*. Isr. J. Plant. Sci., 54:233-242.
- Burton, G.W. 1952.** Quantitative inheritance in grass. In proceeding of the six the international grassland congress .Pennsylvania, U.S.A: 217-283.

- Ceron, R. J. J. and J. C. Sahagum. 2005.** Un indice de selection basado en componentes principales agrociencia. 39:667-667. C.F. crop breed. Sci & Genetics. 46: 1711-1721.
- Chamnan, I. and P. Kasem. 2006.** Heritability, heterosis and correlations of fruit characters and yield in Thai Slicing Melon (*Cucumis melo* L. Var. conomon Makino) Kasetsart J. Nat. Sci. 40 : 20 – 25.
- Chandrashekera, N. H. 2006.** Genetic variability, divergence, heterosis and combining ability studies in cucumber (*Cucumis sativus* L.) A Thesis submitted Dharwad Univ. OF Agric. Sci., DHARWAD - 580 005.
- Chaudhary, B.S, R.S. Parodo and V.P. Singh. 1978.** Stability and genetic architecture of harvest index in wheat. J. plant Breed. 81: 312-318.
- Claude, H.C. 2001.** Generation means analysis of plant architecture and fruit yield in melon (*Cucumis melo* L.) Costarica department of agriculture, Agri. Res. Service (USDA, AR.S). 86-122.
- Dahliwal, M.S, L. Tarsem and J.S. Dhiman (1996).** Character association and causation in Muskmelon. Indian. J. Agric. Res., 30(2):80-84. (C.F.Plant Breeding Abst. 68:2974).
- Daliya, T. and D. Wilson. 2004.** Ranking of Brinjal genotypes using selection index values. Capsicum and Eggplant News letter. 23: 135-136.
- Dewan, M. M. R., S. Mondal, M. S. Islam, M. H. R. Mukul, and M. A. Hossen. 2014.** Study on correlation and path analysis of the yield contributing characters of different ash gourd accession. Eco-friendly Agril. J. 7(01): 01-05
- Dewy, D. R. and K. H. Lu .1959.** A correlation and path coefficient analysis of components of crested wheat crass and seed production. Agro. J. 51: 515-518. C. F. Wikipedia 2013.
- Dospekhove, B.A. 1984.** Field experimental, statistical procedures. Mir Publishers: 349.
- Dubies, M, K. Gulles; J. Hamilton, P. Rebers and F. Smith 1972.** Colorimetric method for determination of sugars and related substance. Analytical Chem., 28:350-356.
- Eagle, H. A and K. J. Frey. 1974.** Expected and actual gains in economic vale of Oat lines from five selection methods. Crop Sci. 14: 861-864.
- El-Adl, A.M; Z.M. El-Diasty; T. El-Gazar and A.H. Abd-El-Hadi 1991.** Developing improved families through direct selection in Agoor "*Cucumis Melo* var. *Chat* ". J. Agric. Sci. Mansoura Univ., 16(2):351-361.
- El-Gazar, T. M., H. Asker and Y. T. El-Lathy. 1991.** Phenotypic selection and inbreeding depression for yield in carrot C.V.El-Balady. J. Agric. Sci. Mansoura Univ. 16(12): 2985-2990.
- El-Mahdi, I. M. 1989.** Inbred strais of summer squash (Eskandarani) after ten generations of inbreeding and selection. J. Agric. Res. Tanta, Univ. 15(1): 65-75

- El-Mighawry; M. M. M. Abdel-Salam; S. M. H. Sarg; Y. T. E. El-Lithy and M. A. F. El-Tahawy (2008).** Type of gene action, combining ability and reciprocals differences for some important characters in summer squash (*Cucurbita pepo*, L). Egypt. J. Plant Breed. 112(2): 133-142.
- El-Shimi, A.Z.A, S.A. Mohamedein and A.H. El-Fouly. 2003.** Inheritance of some economic traits in melon (*Cucumis melo*, L.). J. Agric. Sci. Mansoura. Univ. 28(6):4907-4918.
- Fageria, M.S, P.S. Arya and A.K. Chouldhary 2001.** Vegetable crops. Breeding and seed production. 1. Section (III):80-105.
- Fatema, N. A, A.K.M. Islam, M. G. Rasul and M. M. Hossain. 2014.** Genetic variability in snakegourd (*Tricosanthes cucurminata*). J. Agric Tech. 10(2): 355-366
- Feyzian, E, H. Dehghani, A. M. Rezai and M. Jalali. 2009.** Correlation and sequential path model for some yield-related traits in melon (*Cucumis melo*, L.) J. Agric. Sci. Technol. 11: 341-353.
- Gaber, A.H. 2003.** Nature of gene action and performance of hybrids in squash (*cucurbita pepo*, L.) M. Sc. Thesis, Fac. of Agric., Mansoura Univ.
- Gabriel, G and C.W. Todd 2007.** Heritability and genetic variance estimates for fruit weight in water-melon. Hortscience., 42(6):1332-1336.
- Gomaa, M.A.M; A.M.A. Shaheen; S.A.M. Khattab 1999.** Gene action and selection indices in two Cotton (*Gossypium Barbadosense*, L.) crosses. Annals. Agric., Ain-Shams. Univ., Cairo., 44(1):293-308.
- Gomez, G.M.L; J. Abadia; J. Cuattero; C. Cortes and F. Nuez (1985).** Characterization of melon cultivars. Cucurbits Genetics Cooperative Report. 8:39-40. (C.F. W.W.W. umresearch .umd.edu/CgC/CgC8/pages/CgC8-15. h).
- Goulden, C. 1959.** Methods of statistical analysis, Asia publishing House Calcutta Guisenov, K. L. 1970. New Cucumber hybrid displaying heterosis. Sboring Trudove Aspirantor Molodich Navchn Ykh Sotrudikov. 17:315-319.
- Griffing, B. 1956.** Concept of general and specific combining ability in relation to diallel crossing system. Aust. J. Bio. Sci .gi 463-493.
- Guerineau, C. E. Deins, D. Sconndl and N. Lanket. 2000.** Sensory evaluation of Charantaise type melon and exploratory tool. Act., Hort.510: 487-492.
- Guis, M., J. P. Roustan, C. Dogiment, M. Pitrar, and J. C. Pech. 1998.** Melo biotech. Gent. Eng. 15: 289-311.
- Hanson, C. H., D. S. Robinson and R. E. Comestock. 1956.** Biometrical studies of yield in segregating populations of Korean Lespedezas. Agro. J., 48: 268-272.
- Hatem, A. K. 1992.** Genetic and physiological behavior of some characters in melon (*Cucumis melo* L.) PH. D. Thesis Hort. Dept. of Agric. Fac. Menufiya Univ. 119p.

- Hatem, A. K., H. H. A. Shaheen and H. H. El-Deweny. 1995.** Combining ability for some economic useful characters in melon (*Cucumis melo* L.). Menofiya J. Agric. Res. 20(6) 2331-2348.
- Hatem, A.K, H.H. El-Doweny and H.H.A. Shaheen 1996.** Heterosis for yield components and plant growth analysis in melon (*C.Melo*, L.). Menofiya. J. Agric. Res.,21(1):159-174.
- Hatem, A.K, M.I. Ragab and H.A. Abd-El-Meggeed. 1997.** Genetical studies of some fruit characteristics in melon (*C.melo*, L.) Menofiya. J. Agric. Res. 22(3):889-904.
- Hatem, M.K, A.A. Manal and R.A. Shabrawy 2009.** Heterosis for yield components and some characters in melon (*Cucumis melo*, L.). J. Agric. Kafr Elsheikh. Univ. 35(1):293-307.
- Hazel, L. N. and J. L. Lush 1942.** The efficiency of three methods of selection. J. Hered. 33: 393-399.
- Hazel, L.N. 1943.** The genetic basis for constructing selection indices. Genetics., 28:476-490.
- Hector, G.N.P, G.L.Miguel, O.A. Neftal, G. Rebecca, L. Gene and J.C. Daniel. 2008.** Melon fruits: Genetic diversity, physiology and biotechnology features. Critical Reviews in Biotechnology. 28(1):13-15.
- Helmy, E. M. S. 1993.** Development pur lines of summer squash and their use in hybrids production. J. Agric. Sci. Mansoura, Univ. 18(2):489-498.
- Hussein, S. Babak, R. Maryam. 2008.** Use of selection indices based on multi variate analysis for improving grain yield in Rice. Rice Sci. 15: 303-310.
- Iban, E; O. Jarier, A.M Juan, M.A. Jos and V.K. Esther 2007.** Estimating the genetic architecture of fruit quality in melon using a genomic library of near isogenic lines. J. Amer. Soc. Hort. Sci., 32(1):80-89.
- Ibrahim, E. A. 2012.** Variability, heritability and genetic advance in Egyptian Sweet melon (*Cucumis melo* Var. *Egyptiacus*, L.) under water stress conditions. International J. Plant Breeding & Genetics. 6(4): 238.
- Ibrahim, E. A. and A. Y. Ramadan. 2013.** Correlation and path coefficient analysis in sweet melon (*Cucumis melo* var. *aegyptiacus*) under irrigated and drought conditions. Pakistan J. Biological Sci. 16: 610-616.
- Iria, F. S., E. Moreno, I. Eduardo, P. Arus, J. M. Alvares and A. J. Monforat. 2008.** On the genetic control of heterosis for fruit shape in melon (*Cucumis melo* L.). J. Herdity Advance Access. 10: 1093.
- Jacob, M.B. 1951.** The chemical analysis of food products. D. Van Nostrand Comb. Inc. New York, London., 724-732.

- Jeffrey, C. 1990.** Systematic of the Cucurbitacea : an overview. In: Biology and utilization of the Cucurbitacea. 444-463. Bates D. M., Robinson. R. W. and Jeffrey, Eds., Cornell Univ. Press Ithaca. N. Y.
- Jesùs. C.R, C. Josè, S.C. Jaime, C.G. Fernando and V.S. Amalio 2006.** A selection index method based on Eigenanalysis. J. of Natural Resource and life. 46:1711-1721.
- Johanson, H. W., H. F. Robinson, and R. E. Comstock 1955** Estimates of genetic and environmental variability in soybean. Agro. J. 47: 314-318.
- Juan, E. Z, E. S. Jack, J. D. McCreight. 2008.** Variance components analysis of plant architectural traits and fruit yield in melon. Euphtica. 162:129-143.
- Krishna, P., and D. P Singh .1992.** Estimates of heritability, genetic advance and association between yield and its components in Cucumber (*Cucumis sativus* L.) Ind. J. Hort. 49: 62-69.
- Kultur, F, H.C. Harrison, J.E. Staub and J.P. Polta 2001.** Spacing and genotype effect on fruit sugar concentration and yield of Muskmelon. Hort. Sci., (36):274-278.
- Lal, T. and G. Singh 1997.** Genetic variability and selection index in melon (*Cucumis melo*, L.) Veg. Sci., 24:111-117.
- Magnussen, S. 1990.** Selection index, economic weight for maximum simultaneous genetic gain. Thear Appl Gent., 79:289-293.
- Mohamed, A. M., A M. Abd El-Halim, M. A. Zeiton and S. A. Mohamed. 2011** Breeding for improving fruit quality in sweet melon (*Cucumis melo*, L.) and increasing its storability in tow local cultivars. A thesis submitted, Alex. Univ. Egypt.
- Mohammad T., H. K. Iftikhar, P. H. McCord. and B. Glaz. 2014.** Character Association and Selection Indices in Sugarcane. American J. of Experi. Agri. 4(3): 336-348.
- Muhammad, J. A., S. M. Syed. 2010.** Selection indices for yield and quality traits in sweet corn. Pac. J. Bot. 42(2): 775-789.
- Nakdiman, M and W.H. Gabelman 1971.** Analytical procedures for detecting carotenoids of carrot (*Daucus Carota*, L.) root and tomato (*Lycopersicon Esculentum*) fruit. J. Amer. Soc. Hort. Sci., 96:702-704.
- Obiadalla-Ali, H.A 2006.** Heterosis and nature of gene action for earliness and yield components in summer squash (*cucurbita pepo*, L.) Assuit. J. Agric. Sci. Vol 37, (1).
- Olaniyi, O. O, E. G. O Ogidi, E. U. Mbah and E. J. Nya. 2011.** Variance in yield and agronomic performance of Eguci melon (*Citrullus lanatus* Thunb) genotypes. International J. Current Res. 3(11): 49-52.

- Parmer, A.M and L. Tarsem 2003.** Variability studies in melon (*Cucumis Melo*, L.). Punjab Agricultural University, Ludhiana, India.
- Peter, F. G. and K. J. Fery 1966.** Genotypic correlation, dominance and heritability of qualitative characters in oat. *Crop. Sci.*, 6: 259-262.
- Pornsuriya, P. 2009.** Study on genetic effect in fruit shape of Oriental Pickling melon. *J. Agric. Technology.*, 5(2):385-390.
- Prado, E., P. Vara and R. Jomez. 2002.** Quality evaluation of melon cultivars. Correlation among physical-chemical and sensory parameters. *Acta, Hort.* 35(5): 38-68.
- Priva, W. O, J. L. Mosca, H. A. C. Filgueiras, C. R. M. Lima, J. B. R. Mesquita, F. W. A. Freitas and R. F. Caitano. 2006.** Improved quality and nutritional value of melon. XXV11 International Horticultural congress. (1HC) 2006: II International Symposium on Plant Genetics Resources of Horticultural crops. 1SHS ACTA Horticultural 760.
- Rabiei, B; M. Valizadeh; B. Ghareyazie and M. Moghaddam. 2004.** Evaluation of selection indices for improving rice grain shape. *Field Crop. Res:* 359-367.
- Radwan, A. A. and A. H. Hassan 1984.** Production of new high quality lines of melon. Cairo Univ. A. R. Egypt.
- Rakhi, R and L. Rajamony 2005.** Variability heritability and genetic advance in landrace of Culinary Melon (*Cucumis Melo*, L.). *J. of. Tropical. Agric.*, 43(1-2):79-82.
- Ranganna, S. 1977.** Manual of analysis of fruit and vegetables products. MC. Graw. Hill Book. Pub. Co. Ltd. New Delhi.
- Rashidi, M. and K. Seyfi (2007).** Classification of fruit shape in cantaloupe using the analysis of geometrical attributes. *World J. Agri. Sci.* 3(6): 735-740.
- Rasoul, M., D. Hamid and K. Ghasem 2014.** Genetic analysis of yield components, early maturity and total soluble solids in Cantaloupe (*Cucumis melo* L. subsp. *Melo* Var *Cantalupensis* Naudin) Arastram Makalesi / *Res. Articl* (original paper). 24(1): 79-86.
- Reddy, A.N.K.; A. D.. Munish; T. K. Behera and A. K. Sureja. 2007** Correlation and path analysis for yield and biochemical characters in snap melon: *Cucumis melo* var. *momordica* . *Sabrao journal of breeding and genetics.* 39(1) 65-72.
- Robert, A.s and E.L. Gene. 2009.** Sensory and analytical characteristics of a novel hybrid Muskmelon fruit intended for the fresh-cut industry postharvest *Biology and technology. J. Postharvest Biology and Technology.*, 51:327-333.
- Robinson, H. F., R. E. Comstoch, and P. H. Harvey. 1951.** Genotypic and phenotypic correlation in corn and their implication in selection. *Agro. J.* 43: 282-287.
- Robinson, R.W. and D. S. Decker-Walters. 1999.** Cucurbits. Cambridge: CAB International, 1999. 226p.

- Sendecor, G.H and W.C. Cochran. 1980.** Statistical methods seventh edition. Iowa Stat. Univ. Press. Ames.
- Shamel, Y. H. 2013.** Combining ability for yield and its components in melon (*Cucumis melo*, L). Mesopotamia J. Agric. 41(1): 91-105.
- Shamloul, G.M. 2002.** Evaluation of selected inbred lines of sweet melon (Ismaellawy) and hybrids among them Ph. D. Thesis, Fac .of Agric. Mansoura Univ.
- Simonds, N. W. and D. I. Walker. 1986.** An economic selection index for sugar cane breeding, Euphtica. 35: 311-317.
- Singh, G. and T. Lal. 2005.** Correlation and path analysis of fruit yield and its components traits in muskmelon (*Cucumis melo* L.). J. Crop improvement. 32(1):102-107.
- Singh, R. K. and B. D. Choudhary. 1985.** Biometrical methods in quantitative Genetic analysis. Kalyani. New Delhi, 110-002. PP. 287-293.
- Smith, H.F. 1936.** Adiscriminat function for plant selection. Ann. Eugenics., 7:240-250.
- Soliman, T.H.I. 2009.** Efficiency of mass selection on improving some important characters of onion (*Allium Cepa*, L.) J. Adv. Agric. (Fac . Ag Saba Basha, Alex. Univ),. 14(2): 393 - 408.
- Stell, R.G.T and J.H. Torrie 1980.** Principles and procedures of statistics, MC Graw . Hill Book Co. Inco. New York, U.S.A.
- Taha, M; K. Omara and A. El-Jack 2003.** Correlation among growth, yield and quality characters in (*Cucumis Melo*, L.) Cucurbit Genetics cooperative Report 26:9-11.
- Wahba, M. R. 2004.** The use of certain genetic parameters in improving some vegetables crops. Alex. Sci. Excel., 25(3):457-464.
- Wininger k F.A and J.W. Ludwing. 1974.** Methodern der qualitats burteilung bei kartoffeln für den menschlincher. Konsum. Potato Res.,17:434-465.
- Wright, S. (1921).** Correlation and causation .J. Agric. Res. 20:557-587.
- Zalapa, J.E; J.E. Stab and J.D. Creight. 2006.** Generation means analysis of plant architectural trait and fruit yield in melon plant breeding. J. Compilation., 125-487.
- Zehra, G., K. Fatih, Y. Halit (2013).** Volatile compounds and sensory properties in various Melons, which were chosen from different species and different locations, grown in Turkey. Int. J. Food. 16(1): 60-72.