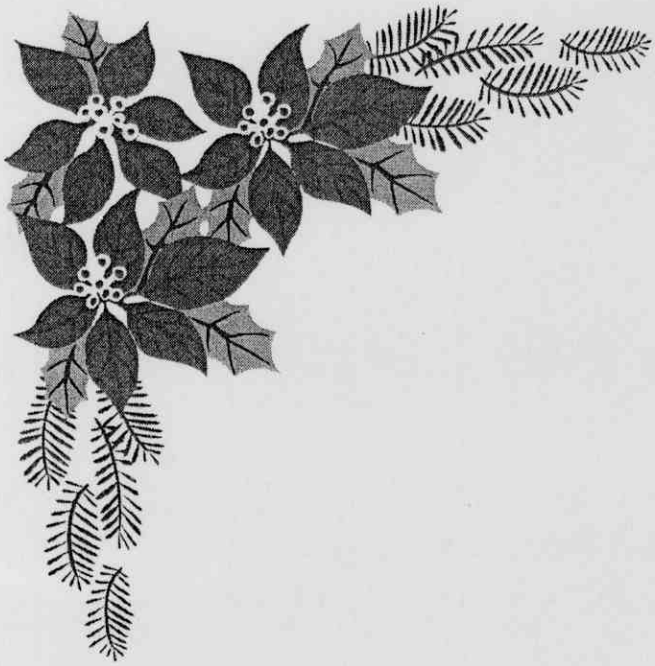
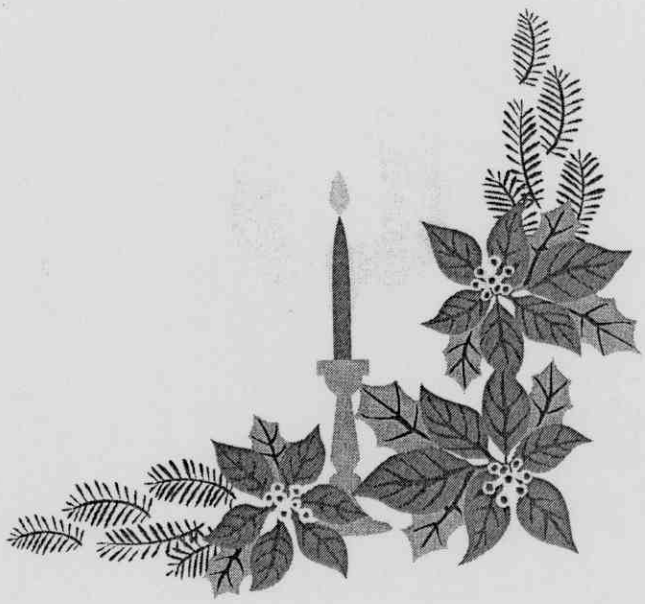


REFERENCES



6. REFERENCES

A.A.C.C. (1983): Approved methods of the America Association of Cereal Chemists. St. Paul, Mn., U.S.A.

A.A.C.C. (1990): Approved methods of the American Association of Cereal Chemis. Published by A.A.C.C., St. Paul Mn., U.S.A.

Abd El- Rahim, E.A. (1999): Healthy and high quality balady bread production. The second international conference and exhibition for modern technology for higher production of food and environmental safety. Alexandria, 1-3 June.

Abdel-Motaleb, N.M. (2001): Studies on improving the nutritional value of some types of bread. Ph.D. Thesis, Fac. of Agric., Cairo Univ.

Akerberg, A.; Liljeberg, H. and Bjorck, I. (1998): Effects of amylose/ amylopectin ratio and baking conditions on resistant starch formation and glycaemic indices. J. of Cereal Sci., 28(1): 71-80.

Akiba, Y. and Matsumote, T. (1980): Effect of several types of dietary fibers on lipid content in liver and plasma, nutrient retention and plasma transaminase activity in force-feed growing chicks. J. Nutr. 110(6): 1112-1121.

Aljawad, N.S.; Fryer, E.B. and Fryer, H.C. (1991): Effects of casein soybean and whey proteins and amino acid

supplementation on cholesterol metabolism in rats. J. of Nutr. Biochem. 2: 150-161.

Aly, A.A. (1991): Studies on Egyptian balady bread as affected by some additives. M.Sc. Thesis, Fac. of Agric., Cairo Univ., Egypt.

Aman, O.; Haselman, K. and Tilly, A.C. (1985): The variation in chemical composition of Swedish barleys J. of Cereal Science 3: 73-77.

Amudha, S.; Ravi, R.; Bhat, K.K.; Seethalakshmi, M.K. and Senthil, A. (2002): Studies on the quality of fried snacks based on blends of wheat flour and soy flour. Food quality and preference, 13(5): 267-273.

Andersson, A.A.M. and Andersson, R. and Aman, P. (2000): Air classification of Barley flours. Cereal Chem. 77(4): 463-467.

Andersson, A.A.M.; Armo, E.; Grangeon, E.; Fredriksson, H.; Andersson, R. and Aman, P. (2004) : Molecular weight and structure units of (1→3,1→4) beta- glucans in dough and bread made from hull-less barley milling fractions.. J. of Cereal Sci., 40(3): 195-204.

Anjum, F.M.; Ali, A. and Chaudhry, N.M. (1991): Fatty acids, mineral composition and functional (bread and chapatti) properties of high protein and high lysine barley lines. J. Sci. Food Agric., 55 (4): 511-519.

Anuradha, G. and Malvika, M. (1999): Sensory evaluation and acceptability of breads prepared from refined wheat and

soybean flours. Indian J. of Nutr. and Dietetics, 36(2): 48-52.

A.O.A.C. (1995): Official Methods of Analysis of the Association of Official Analytical Chemists 16th. Ed., Washington, D.C.

Bakr, A.A. (1997): Production of iron-fortified bread. Nahrung 41: Nr. 5.5: 293-298.

Basman, A.; Koksel, H. and Ng, P.K.W. (2003): Utilization of transglutaminase to increase the level of barley and soy-flour incorporation in wheat flour bread. J. Food Sci., 68(8): 2453-2460.

Basyony, A.E.; Abu El-Azm, Y.A., El-Fahm, S. Y. and El-Emary, H.G. (1993): The role of defatted soybean flour on dough and bread making. Food Techn., Res. Inst. Agric. Res. Center, Giza, Egypt. National Research center, Dokki, Cairo.

Beter, D.A. and Fulcher, R.G. (2005): The future of barley. Cereal Foods World, 50(5): 271-277.

Bjorck, I.; Ostergard, K. and Vainionpapae, G. (1990): Effects of extrusion cooking on starch and dietary fiber in barley. Food Chem., 34(3): 215-227.

Beynen, A.C.; West, C.E.; Raaij, J.M.; Katan, M.B. and Hollo, J. (1985): Dietary casein, soybean protein and serum cholesterol in experimental animals and man. Food Science Proceedings of the 16th ISF Congress, Budapest, Hungary.

Bhatty, R.S. (1986): Physicochemical and functional (bread making) properties of hull-less barley bran and flour. Cereal Chem., 63(1): 31-35.

Bhatty, R.S. (1993): Physicochemical properties of roller-milled barley bran and flour. Cereal Chem., 70(4): 394-402.

Bohn, T.; Lena Davidsson, T.; Walez, Y.K. and Hurrell, R.E. (2004): Phytic acid added to white-wheat bread inhibits fractional apparent magnesium absorption in humans. American J. of Clinical Nutrition 79(3): 418-423.

Bothayna, M.A. (1995): Production of fortified pan bread macaroni using edible legume flour. Food Techn. Res. Instit., Agric. Res. Cen., Giza, Egypt.

Chaudhary, V. and Kandweber, F.E. (1990): Barley bran flour evaluated as dietary fiber ingredient in wheat bread. Cereal Foods World 35(6): 560-563.

Cavallero, A.; Empilli, S.; Brighenti, F.; Stanca, A.M. (2002): High (1→ 3, 1→ 4)-beta-glucan barley fractions in bread making and their effects on human glycemic response. J. of Cereal Sci.., 36(1): 59-66.

Champe, P.C. and Harvey, R.A. (1994): Biochemistry international student. 2nd Ed. J.B. Lippicott Company. Philadelphia pp. 235.

Chen, H.; Rubenthaler, G.L. and Schanus, E.C. (1988): Effect of apple fiber and cellulose on the physical properties of wheat flour. J. of Food Sci. 53(1): 304.

Dixit, H.; Shukla, S.S.; Shrivastava, A. and Sharma, Y.K. (1986): Nutritional potential of market and soy fortified bread. J. of Nutr. and Dietetics, 23(12): 361-365.

Dörte, R.; Elke, A.T.; Yrjö, M. and Helmut, F.E. (1999): Effects of different cereal fibres on cholesterol and bile acid metabolism in the Syrian golden hamster. Cereal Chem., 76(5): 788-795.

Doxastakis, G.; Zafiriadis, I.; Irakli, M.; Marlani, H. and Tananaki, C. (2002): Lupin, soy and triticale addition to wheat flour doughs and their effect on rheological properties. Food Chemistry., 77(2): 219-227.

Dubois, M.; Gilles, K.A.; Hamilton, J.K.; Rbers, P.A. and Smith, F. (1956): Colorimetric method for determination of sugars and related substances. Analyt. Chem., 28: 350-356.

El-Farra, A.A.; Ismail, A.A. and Rhorshid, A.M.H. (1981): Liquid whey milk and its effect on wheat flour dough and pasta properties. Egypt. J. Food Sci. 9(1): 49-58.

El-Farra, A.A.; Mostafa, M.M. and El-Manawaty, H.K. (1985): Baking quality of barley flour. Egypt. J. Food Sci. 13(2): 129-136

Eliasson, A. and Larsson, K. (1993): Cereals in bread making. Marcel Dekker, Inc. Madison Avenue, New York, USA.

El-Nahal, D.M. (1997): Studies on some soybean cultivars and production of corn bread. M.Sc. Thesis, Fac. of Agric., Cairo Univ., Egypt.

El-Sayed, H.M.A. (1998): Biochemical studies on wheat milling products. M.Sc. Thesis, Fac. of Agric. Moshtohor, Zagazig Univ., Egypt.

El-Shirbeeny, A.A.; Alam, S.O. and Abd El-Salam, S.M. (2003): Effect of malt and some barley by-products as hypolipidemic agents. Conference Comi-basal. Crops Technology Department, Food Technology Research Institute, A.R.C. Giza, Egypt, p. 965-982.

Ernster, J.H. (1991): Hydrolysed soy protein and process for preparing soy protein. United states patent US, 5077062 (1991) [US 518738 (900 503), Exce/pro, Los Angeles, CA, USA, En].

Finely, (1978): Enzymatic calorimetric determination of serum total cholesterol. Clin. Chem., 24: 391.

Foda, F.F.A. (2005): Effect of addition of freeze dried from young green barley leaves on Hypercholesterolemic rats. Annals of Agric, Sc., Moshtohor, 43(4): 1649-1663.

Foda, V.H.; Nagwa, M.R.; Ferial, M.A.; Ramy, A. and Yassen, A.A.F. (1987): Physical, chemical and sensory characteristics of doughs and bread from different grain flour mixtures. Annals of Agric. Sci., Fac. Agric., Ain Shams Univ., 32(1):

Fossati, P. and Precipe, L. (1982): The determination of triglycerides using enzymatic method. Clin. Chem. 28: 2077.

Ghaliy, I.N.A.; Mansur, S.M.; Wasif, M.M. and Louz, S.L. (1999): Hypoglycemic and hypocholestolemic effects of bread supplemented with soybean hulls. Faculty of Agric., Cairo Univ. Food Technology Research Institute Agric.. Research, Institute of Nutrition.

Grtnspan, F. and Cheryan, M. (1989): Phytate-Calcium interactions with soy protein. J. Am. Oil Chem., 66: 93-97.

Hafez, S.A. (1996): Effect of adding defatted soy flour on the chemical composition and physical properties of bread. Egypt. J. Agric. Res. 72: 409.

Hamza, A.B. (1997): Chemical and nutritional characteristics of weaning foods prepared from cereal and legumes. Ph.D. Thesis, Fac. of Agric., Cairo Univ., Egypt.

Hamza, B.C. (1999): Improving iron absorption of some rich-fiber wheat products. Ph. D. Thesis, Faculty of Agric. Cairo, Univ. Egypt.

Hargin, K.D. and Morrison, W. R. (1980): The distribution of acyl lipids in the Germ aleurone, starch and non-starch endosperm of flour wheat varieties. J. Sci. Food Agric. 31: 877-888.

Harland, B.P. and Harland, J. (1980): Fermentive reduction of phytate in rye, White and whole wheat breads. Cereal Chem. 57(3): 226-229.

Hawcraft, D. (1987): Diagnostic enzymology pp. 202. John Wiley Sons, New York. C.F. Sitohy *et al.* (1991).

Hecker, K.D.; Mary, L.M.; Rosemarg, K.N. and Cwalter, N. (1998): Barley β-glucan is effective as a hypocholesterolaemic ingredient in foods. J. Sci. Food Agric., 77: 179-183.

Henery, R.J.; Cannon, D.C. and Winkelman, J.W. (1974): Clinical chemistry: principles and techniques, 2nd, New York, Harper and Row.; P. 422-424.

Henery, R.J. and Kettlewell, P.S. (1996): Chapmen & Hall. Cereal Grain Quality. 1st Ed. London New York, Tokyo.

Hussein, M.A. and Mahmoud (1972): Effect of baking process on the chemical composition of wheat bread. Assiut J. of Agric. Sci., 3(1): 259-267.

Ikegami, S.; Tomita, M.; Honda, S.; Yamaguchi, M.; Mizukauva, R.; Suzuk, Y.; Ishii, K.; Ohsawa, S.; Kiyooka, N.; Higuchi, M. and Kobashi, S. (1996): Effect of boiled barley rice feeding in hypercholesterolemic and normal lipemic subjects. Plant Foods for Human Nutrition, 49(4): 317.

Ingledew, W.M.; Jones, A.M.; Bhatty, R.S. and Rossnagel, B.G. (1995): Fuel alcohol production from hull-less barley. Cereal Chem., 72(2): 147-150.

Ingram, L.P. (1993): Liver function, Clinical chemistry concepts and applications. S.C. Andererson and

S.Cockayne eds. Comp. Pub. London, Philadelphia, W.B. Saanders. P. 280.

Jaeques, H.; Chaumette, P. and Lavigne, C. (1993): Further investigation on the hypocholesterolemic effect of vegetable protein in the rabbit. Nutrition Research, 13: 969.

Jan, M. Mahmood, F.; Zeb, A. and Chaudry, M.A. (2003): Nutritional and technological evaluation of wheat bread supplemented with peanut and soy bean flours. Pakistan- J. of Scientific and Industrial- Research, 46(1): 68-69.

John, E. and Lawrence, A. (1987): Soy protein products, characteristics, nutritional aspects and utilization. Published by the soy protein. Council, Washington, D.C. 20037, (202): 467-6610.

Jsuji, K. and Nakagwa, Y. (1984): Effect of simultaneous feeding of Konjac mannan and cellulose on the growth, organ weight and lipid levels in hypercholesterolemic rats. Nutr. Rept. Int. 30(1): 14-25.

Kahlon, T.S. and Chow, F.I. (1997): Hypocholesterolemic effects of oat, rice and barley dietary fibres and fractions. Cereal Food World, 42(2): 86-92.

Kahlon, T.S.; Chow, F.I. and Wood, D.F. (1999): Cholesterol response and foam cell formation in hamsters fed rice bran, oat bran and cellulose + soy protein diets with or without added vitamin E. Cereal Chem. 76: 772-776.

Kahlon, T.S. and Woodruff, C.L. (2003): *In vitro* binding of bile acids by rice bran, oat bran, barley and β-glucan enriched barley. Cereal Chemistry, 80: 260-263.

Kalra, S. and Jood, S. (2000): Effect of dietary barley β-glucan on cholesterol and lipoprotein fraction in rats. J. Cereal Sci., 31(2): 141-145.

Kappor, A.C. and Gupta, Y.P. (1977): Chemical evaluation and electrophoretic pattern of soya products. J. Food Sci., 42(6): 1558-1561.

Kent, N.L. (1983): Technology of cereals. Pergman press Third Edition.

Khalil, A.H.; Mansour, E.H. and Dawoud, F.M. (2000): Influence of malt on rheological and baking properties of wheat-cassava composite fours. Food Sci. and Technol. Dept., Fac. of Agric., Menofiya Univ. 32516 Shibin El-kom, Lebenson-wiss-Technology 33 159-164.

Khalil, E.M. (1998): Biochemical studied on soybean protein. Ph.D. Thesis, Fac. of Agric., Cairo Univ.

Klamczynski, A.P. and Czuchajowska, Z. (1999): Quality of flours from waxy and non waxy barley for production of baked products. Cereal Chem., 1999, 76 (4): 530-535.

Klopfenstein, C.F. and Hoseney, R.C. (1987): Cholesterol lowering effects of β-glucan enriched bread. Nutr. Rep. Int., 36: 1091-1094.

Kramer, A. and Twig, B.A. (1974): Fundamentals of quality control for the food industry. The avipublishing company, Inc., Westport, conne- cticut, PP. 218-223.

Kritchevsky, D. (1971): Effect of dietary free fatty acids on experimental atherosclerоies progr. Biochem. Pharmacol. 6: 264-273. [c.f. Chem. Abst. (1971) vol. 75(23)]

Kritchevsky, D. (1978): Influence of dietary fibre on bile acid metabolism. Lipids 13: 982.

Kritchevsky, D.; Tapper, S.A. and Story, J.A. (1974): Isocaloric, isogranic diets in rats. 3. Effect of non-nutritive fiber (alfala and cellulose) on cholesterol metabolism. Nutr. Rept. Int. 8: 301.

Lane-Peter, W. and Pearson, A.E.G. (1971): Dietary requirements. In "the laboratory animal principles and practice". P. 142, A cad. Press. London and New York.

Lia, A.; Hallomans, G.; Sandberg, A.; Sundberg, B.; Aman, P. and Andersson, H. (1995): Oat β-glucan increases bile acid excretion and a fiber-rich barley fraction increases cholesterol excretion in iloestomy subjects. Am. J. Clinc. Nutr., 62: 1245-1251.

Lillian Langseth (1995): Oxidants, antioxidant and disease prevention, p. 5 ILSI Pub.

Lolas, G.M. and Markakis, P. (1975): Phytic acid and other phosphorus compounds of beans (*Phaseolus vulgaris* L.). J. Agric. Food Chem. 23: 13-15.

Lopes-Virella, M.F.; Stone, S.; Ellis, S. and Collwell, J.A. (1977): Cholesterol determination in high density lipoproteins separated by three different methods. Clin. Chem., 23(5): 882.

Lopez, Y.; Gordin, D. and Fields, M.L. (1981): release of phosphorous from phytate by natural lactic acid fermentation J. Food Sci., 48: 953-954.

Lorenz, K. and Maga, G. (1972): The production of high protein breads under reduced atmospheric pressures. Cereal Chem.,49: 522-531.

Magbool, A.; Rohella, A.; Nazakai, B.; Nusin, H. and Ismail, K. (1987): Nutritional and organoleptic evaluation of wheat rotis supplemented with soy bean flour. Pakistan. J. of Sci. and Industrial Res., 30: 615.

Martinez, V.M.; Newman, R.K. and Newman, C.W. (1992): Barley diets with different fat source have hypocholesterolemic effects in chicks. J. Nutr., 122(5): 1070-1076.

Massoud, O.R. (1992): Chemical and technological studies on some vegetable protein blends. M.Sc. Thesis, Fac. of Agric., Menufia Univ., Egypt.

Mc Cleary, B.V. and Codd, R. (1991): Measurement of (1 → 3), (1→ 4)-D-glucan in barley and oats a streamlined enzymatic procedure.J. Sci. Food Agric., 55: 303-312.

McIntoch, G.H.; Whyte, J.; Mc Arthur, R. and Nastel, P.J. (1991): Barley and wheat foods: Influence on plasma

cholesterol concentration in hypercholesterolemic man. Am. J. Clinc. Nutr., 53: 12051209.

Miller, S.E. (1960): A text book of pathology 6th Ed. Battmor, Williams and Wilkinson Co. Cited in "Text book of chemical pathology 1971" by Miller and Welles, J.

Miller, S.S. and Fulcher, R.G. (1994): Distribution of (1→3) (1→4) β-D-glucan in kernels of oats and barley using microspectro-photometery Cereal Chem., 71: 64-68.

Misra, P.; Usha, M.S. and Singh, S. (1991): Soy-wheat flour blends: chemical, rheological and baking characteristics. J. Food Sci. and Technol., India, 28(2): 89-91. (c.f. FSTA (1991) 12 M54).

Mizrahi, S.; Zimmermann, G.; Berk, Z. and Gogan, H. (1967): The use of isolated soybean proteins in bread. Cereal Chem., 44: 193-198.

Mohamed, M.A. (1982): Biochemical studies and biological evaluation of some plant proteins. Ph.D. Thesis, Fac. of Agric. Cairo Univ., Egypt.

Moore, M.M.; Schober, T.J.; Dockery, P. and Arendt, E.K. (2004): Textural comparisons of gluten- free and wheat based dough batters and breads. Cereal Chem., 81(5): 567-575.

Newman, R.K.; Betschart, A.A.; Newman, C.W. and Hofer, P.J. (1992a): Effect of hull-fat or defatted rice bran on serum cholesterol. Plant Foods Human Nutr., 42: 37.

Newman, R.K.; Klopfenstein, C.F.; Newman, C.W.; Guritno, N. and Hofer, P.J. (1992b): Comparison of cholesterol, lowering properties of whole barley, oat bran, and wheat red dog in chicks and rats. Cereal Chem., 64 (3): 240-244.

Newman, R.K.; Mc Guire, C.F. and Newman, C.W. (1990): Composition and muffin baking characteristics of flours from barley cultivars. Cereal Foods World, 35(6): 563-566.

Newman, R.K. and Newman, C.W. (1991): Barley as a food grain. Cereal Foods World, 36: 800-805.

Newman, R.K.; Newman, C.W.; El-Negoumy, A.M. and Aastrup, S. (1984): Nutritional quality of proanthocyanidin free barley. Nutrition Reports International, 30(4): 809. Montana State Univ., Bozeman, Montana 59717, USA.

Newman, R.K.; Newman, C.W.; Hofer, P.J. and Goering, K.J. (1989): Effect of beta-glucan fraction and barley oil in chick serum lipids. Cereal Foods World, 34(9): Abstr. No. 109.

Oatway, L.; Vasanthan, T. and Helm, J.H. (2001): Phytic acid. International 17(4): 419-431.

Othira, J.; Bhattacharjee, M. and Wanjama, J.K. (2004): Evaluation of dough properties of selected composite wheat flours. Cereal Research Communications, 32(4): 533-540.

Pellet, P.L. and Shodarvian (1970): Food Composition tables for use in the middle east. 2nd Ed. Fac. of Agric. Sci., American Univ. of Beirut, Lebanon.

Pomeranz, Y. (1987): Modern Cereal Science Technology. VCH publishers, Inc. New York.

Pomeranz, Y.; Ke, H. and Ward, A.B. (1971): Composition and utilization of milled barley products. 1. Gross composition of roller-milled and air-separated fractions. Cereal Chem., 48: 47-57.

Porter, M.A. and Skarra, L.L. (1999): Reducing costs through the inclusion of soy flour in breads. Cereal Food World. 44: 632.

Prentice, N. and D'appolonia, B.L. (1977): High-fiber bread containing brewer's "spent grain". Cereal Chem., 54(5): 1084-1095.

Pyler, E.J. (1988): Baking science technology 3rd, Vol. II. Socl and pub. Co. U.S.A. Kansas.

Ranhotra, G.S.; Gelroth, J.A.; Astroth, K. and Bhatty, R.S. (1991): Relative lipidemic responses in rate fed barley and oat meals and their fractions. Cereal Chem., 68(5): 548-551.

Refai, F.Y. (1965): Essential of milling industry. Pub. By the general Establishment of Mills and Bakeries. (In Arabic).

Reitman, S. and Frankel, S. (1957): A colorimetric method for the transminases. Am. J. Clin. Path., 221(56): 56.

Rossnagel, B.G.; Harvey, B. L. and Bhatty, R.S. (1985): Tupper hull less barley. Can. J. Plant. Sci., 65:453.

Ryan, J.; Homco- Ryan, C.L.; Jenson, J. Robbins, K.L. Prestat C. Brewer, M.S. (2002): Effect of lipid extraction process on performance of texturized soy flour added wheat bread. J. Food Sci., 67(6): 2385-2390.

Saad, S.A. (1992): Effect of processing and enrichment of some cereal products on their nutritional value. Ph.D., Thesis . Fac. of Agric., Cairo Univ.

Saeki, S.; Nishikawa, H. and Kiriyama, S. (1987): Effects of casein or soybean protein on plasma cholesterol level in jejunctomized or lectomized rats. J. Nutr., 117: 1527.

Schafer, W. (1984): Soya protein in manufacture of bread and bakery products. Brot and Backwaren, 32: 10-16.

Sherif, A.E.; Sayed, M.E.; Mahmoud, A.; Bekhit, S.A. and Hallabo, E.S. (1994): Utilization of defective and stale bread in Egyptian bread making Egypt. J. Appl. Sci., 9(3): 833-852.

Shfali, D. and Jood, S. (2002): Effect of supplementation on physico- chemical sensory and nutritional characteristics of bread. Nutr. and Health, 16(4): 313-329.

Shfali, D. and Jood, S. (2004): Effect of flour blending an functional baking and organoleptic characteristics of

bread. International J. Food Sci. and Technol., 39(2): 213-222.

Shogren, R.L.; Mohamed A.A. and Carriere C.J. (2003): Sensory analysis of whole wheat/soy flour breads. J. Food Sci., 68(6): 2141-2145.

Sikka, K.C.; Gupta, A.K.; Singh, R. and Gupta, D.P. (1978): Comparative nutritive value, amino acid content, chemical composition and digestibility in vitro of vegetable and grain type soybeans. J. Agric. Food Chem., 26(2): 312-316.

Silavla, S.M.; Lorimer, N.L.; Zabik, M.E. and Mebersax, M.A. (1989): Rhelogical and sensory characteristics of bread flour and whole wheat flour doughs and breads containing dry-roasted air classified pinto and navy beam high protein fractions. Cereal Chem., 66: 486- 490.

Snedecor, G.W. and Cochran, W.G. (1980): "Statistical methods" 17th Ed. Iowa State Univ. Press Ames., Iowa, USA.

Soliman A.E. (1997): Raising the nutritive value of some cereals and its baking products. M.Sc. Thesis, Fac. of Agric. Moshtohor, Zagazig Univ., Egypt.

Sood, K.; Dhaliwal, Y.S. and Kalia, M. (1991): A comprative study on the physico-chemical and nutritional quality of hull-less barley, (var. Dolma) and wheat (var. sonalika). Himachal J. of Agric. Res., 17(1-2): 56-60.

Sozan, R.M. and El-Azab, M.A. (2000): Supplementation of balady bread with barley, corn, defatted soy and sorghum flours for improving 1st nutritive value. Egyptian J. of Nutr., 15(1): 175-191.

Steinberg, D. (1981): Metabolism of lipoprotein at the cellular level in relation to atherogenis in lipoproteins, atherosclerosis and coronary heart disease. 1, 2, 31 Elsevier-North Holland.

Sumner, A.K.; Egziaher, A.G.; Tyler, R.T. and Rossangel, B.G. (1985): Composition and properties of pearled and fines fractions from hulled and hull-less barely. Cereal Chem., 62(2): 112- 116.

Sundberg, B.; Abrahamsson, L. and Aman. P (1995) : Quality of rolled barely flakes as affected by batch of grain and processing technique. Plant Food for Human Nutr., 45(2): 145-154.

Swanson, R.B. and Penfield, M.P. (1988): Barley flour level and salt level selection for a whole-grain bread formula. J. of Food Sci., 53(3): 896-901.

Tabacco, A.; Meiattini, F.; Moda, E. and Tarlip (1979): Simplified enzymic colorimetric serum urea nitrogen determination. Clin. Chem., 25: 336-337.

Trogh. L.; Courtin, C.M.; Andersson, A.A.M.; Aman, P.; Sorensen, J.F. and Delcour, J.A. (2004): The combined use of hull-less barley flour and xylanase as a strategy for wheat/hull-less barley. J. of Cereals Sci., 40(3): 257-267.

Ugarcic, Z.; Davidovic, S.; Feric, V. and Kristo, J. (1991) : Studies into the use of deffared soy meal for bread making. Hrana: Ishrana, 32(4): 201- 203. (C.f. FSTA, 1992, 7 M 59).

Urooj, A.; Vinutha, S.R.; Shashikala, P.; Laelavathy, K. and Haridasa, R.P. (1998): Effect of barley incorporation in bread on its quality and glycemic responses in diabetics. International J. of Food Sci. and Nutr., 49: 265-270.

USEPA UsEnvironmental Protection Agency (2005): Health Effect Division. Chapter of Tolerance Reassessment Fligibility Decision Document.

Van Kampen, E.J. and Zijlstra, W.G. (1967): International committee for standardization in Haematology. British J. Haematology 13(Suppl.), 71.

Victor, Y.W.; Stringfellow, A.C. and Inglett, G. (1994): Protein and β-glucan enriched fractions from high protein, high β-glucan barleys by sieving air classification. Cereal Chem., 71(3): 220-223.

Vittadini, E. and Vodovotz, Y. (2003): Changes in the physicochemical properties of wheat and soy containing breads during storage as studied by thermal analysis. J. Food Sci., 86(6): 2022-2027.

Vose, J.R. and Youngs C.G. (1978): Fractionation of barely and malted barely flours by airclassification. Cereal Chem., 55(3): 280-286.

Walter, O.S. and Samuel, R.A. (1983): Modern soybean production 2nd Ed. Library of Congress Catalog Card No. 83-060922

Wickramarathna, G.L. and Arampath (2003): Utilization of okara in bread making. Ceylon J. of Sci., Biological Sci., 31: 29-33.

Willimas, J. T. (1995): Cereals and pseudocereals. St Edmundsbury Press, Bury St Edmunds Suffolk, UK.

Wilson, T.A.; Nicolosi, R.J.; Delaney, B.; Chadwell, K.; Moolchandani, V.; Kotyla, T.; Ponduru, S.; Zeng, G. Hess, R.; Kuntson, N.; Curry, L.; Kolberg, L.; Goulson, M. and Ostergren, K. (2004): Reduced and high molecular weight barley β-glucans decrease plasma total and non-HDL-cholesterol in hypercholesterolemic Syrian golden. J. Nutr., Vol. 134: 2617-2622.

Wolf, W.J. (1977): Legumes seed composition and structure. Processing into protein products and protein properties in "Food proteins". (J.R. Whitaker and S.R. Tannen baum, eds.). AVI Publ. Co. Wesport. CT.

Yassen, A.A. (1985): Chemical and physical studies on the characteristics of balady bread. M.Sc. Thesis, Fac. of Agric., Ain, Shams Univ., Egypt.

Zakharova, S.A. and Kazakov, E.P. (1970): Sulphhydryl group and disulphide bonds in dough from a mixture of strong and weak varieties of wheat after hydrothermal treatment. Chem. Abst., 7(4), 30869K.

Zheng, G. H.; Rossnayel, B.G.; Tyler, R.T. and Bhatty, R.S. (2000): Distribution of β-glucan in the grain of hull–less barley. Cereal Chem., 77(2): 140-144.

Zhuge, Q.; Persaud, J.N.; Posner, E.S.; Deyoe, C.W.; Seib, P.A. and Chung D.S. (1991): Isolation of gluten and starch from ground pearled wheat compared to Isolation from flour. Cereal Chem., 68 (4): 336 – 339.