

## REFERENCES

- A.O.A.C. (2000)** Official Methods of the Association of Official 16<sup>th</sup> ed., Association of Official Analytical Chemists International, Arlington, Virginia, USA.
- Aoyama, M.; Kanematsu, H.; Tsukamoto, M. (1994)** The chemistry and physiological functions of sesame. Food review International 11(2), 281-329.
- Abdalla, A.E and Rozeen, J. (1999)** Effect of plant extracts on the oxidative stability of sunflower oil and emulsion. Food Chemistry, 64: 323-329.
- Abdel-Aziz, S.M.G. (1985)** Chemical and biological evaluation of unsaponifiable matter of vegetable oils. Ph.D. Thesis, Fac. Of Agric., Cairo University.
- Abdel-naby, A.A (2000)** Antioxidants. Symposium on food Additives, Alex-Egypt.
- Abo Ziada, N.N. (2002)** Studies on natural antioxidants effectiveness in oils. Ph.D. Thesis, Fac. Of Agric., Saba Baha, Alexandria University.
- Abou-Gharbia, H.A.; Adel, A.; Shehata, Y. and Youssef, M.M. (1997)** Effects of processing on oxidative stability of sesame oil extracted from intact and dehulled seeds. J. AM. Oil chem. Soc., 74: 215-221.
- Abou-Gharbia, H.A.; Adel, A.; Shehata, Y. and Shahidi, F. (2000)** Effect of processing on oxidative stability and lipid classes of sesame oil. Food Res. Inter. 33:331-340.
- Adegok, G.O.; Vijay Kumar, M.; Gopal Krishna, A.G.; Varadaraj, M.C.; Sambaiah, K. and Lokesh, B.R. (1998)** Antioxidants and lipid oxidation in foods A critical

appraisal. J. of food Sci. and Technology, 35 (4): 283-298.

**AL-Durtschi.(1995)**Refining and processingoil.Avilable from <http://waltonfeed.com/omega/wht-oil.htm1#steps>;internet;accessed21-1-2005.

**Al-Sharjabi, F.A. (2005)** Bio. Chem. And Nutritional Studies on some oil seeds. Ph.D. Food Sci. AND Tech., Faculty of Agriculture, Assiut University.

**Aoyam, M., Kanematsu, H. and Nijya, I. (1994)** The chemistry and physiological functions of sesame. Food Review International, 11(2), <sup>281-329.</sup>

**Ashakumary, L.; Rouyer. I; Takahashi, Y. (1999)** Metabolism, Vol (48) 1303.

**Baba, N. H; Ghossoub, Z. Mand Habbal, Z. (1998)** Effect of dietary canola, olive, and linolenic acid enriched olive oils on plasma lipids, lipid peroxidaion and lipoprotein lipase activity in rats. Nutrition Research, 49 : <sup>41-45.</sup>

**Baydar, H. and Ü. Turgut.(1994)** FarklÝ ekim zamanlar ÝnÝn susam (sesamum indicum L.)Õda yaÛ oranÝ yaÛ asitleri kompozisyonu veyaÛ stabilite kriterleri. Zerine etkisi. Turl. J. Agric. For., 18: <sup>387-391.</sup>

**Baydar, H., R. Marquard and I. Turgut. (1999)** Pure line selection for improved yield, oil content and different fatty acid composition of sesame, sesamum indicum, plant breeding, 118: <sup>462-462.</sup>

**Bayer, H.; Kagan, V.E.; Tyurina, Y.Y.(2002)** Assessment of antioxidant, reserves and oxidative stress in creprosbinal fluid severe traumatic brain inguary in infants and children. Bediatr Res, (51) : <sup>571-578</sup>

**Beatrice, A.W.; Augustino, o.; onkware, S. (2006)** seed oil content and fatty acid composition in east African

sesame ( sesamum indicum L. ) accessions evaluated over 3 years. Field crops Research, 97; <sup>254-260.</sup>

**Beshara, R.S.S. (2006)** Chemical Evaluation of some sesame varieties. Assiut J. Agric. SCI. MD.

**Bidigian,D.(2004)**History and lore of sesame in southwest asia.Econ.bot.58.329-353

**Burton, G.W.and Taber ,M.G.(1990)**Ann.Rev.nutr.,10,375.

**Byrd, S.J. (2001)** Using antioxidants to increase shelf life of food products. Cereal Foods World, 46 (2) : 48.

**Cerebos, b. (2003)** Sesamin sans fat and free radicals. Muscle& Fitness, V, 64i12p183.

**Chang, L.w.; Yen, W.J.; Huang, S.C. and Duh, P.D. (2002)** Antioxidant activity of sesame coat. Food Chem. 78: 347-354.

**Chen,p.r.;Lee,C.C.;Chang,H.(2005)**Sesamol regulates plasminogen activator gene expression in cultured endothelial cells:apotential effect on fibrinolytic system ,journal of Nutritional Biochemistry.16,pp.59-64.

**Chul Lee, Y.; Oh, W.S.; Chang, J. and Kim, I.H. (2004)** Chemical composition and oxidative stability of sunflower oil prepared from safflower seed roasted with different temperatures. Food Chemistry, 87; 1-6.

**Chung, J. and Choe , E. (2001)** Effect of sesame oil on the thermooxidative stability of soybean oil, Food science and Biotechnology. 10 pp <sup>446-450.</sup>

**Chung, J. and Choe, E. (2001)** Effect of sesame oil on themooxidative stability of soybean oil. Food SCI. and Biotech. 10, <sup>446-450</sup> .

**Chung, J.; Lee, y. and choe, E. (2006)** Effects of sesame oil addition to soybean oil during frying on the lipid oxidative

stability and antioxidants contents of the fried products during storage in the dark, Journal of food science 71, pp.<sup>222-226</sup>.

**Considine, D.M. and Considine, G.D. (1982)** Foods and food production Encyclopedia. Van Nostrand Reinhold Company.

**Coppen, p. (1989)** In "Rancidity in foods, 2<sup>nd</sup> Edition" Edited by Allen, J. and Hamilton, R. Elsevier Applied science, New York.

**Crapiste, G.H.; Bredvan, M. and Carelli, A. (1999)** Oxidation of sunflower oil during storage. JAOCS, 77: 1437-1443.

**Dashak, D.A. and Fali, C.N. (1993)** Chemical composition of four varieties of Nigerian benniseed ( sesamum indicum). Food Chem. 47: 253-255.

**El-Rify, M.N. and Abou-El-Hawa, S.H. (1982b)** Effect of roasting process on lipid constituents. Research Bulletin 1776 of faculty of Agriculture, Ain Shams University.

**El-Shrkawy, A.A.; Rady, A.H.; Mostafa, M.M. and Kandil, S.H. (1986)** Change in main components of raw and roasted peanut and sesame seeds. 1- Oil properties. Fatty acid composition, hydrocarbons and sterol constituents. Egypt. J. Food Sci., 14: 13-22.

**FAO/ WHO (1989)** protein quality evaluation report of the joint FAO/WHO Expert Consultation. Dethesda. Md, USA.

**Frankel, E.N. (1984)** Lipid oxidation: Mechanism, products and biological significance. JAOCS, 61:1908-1916.

**Frankel, E.N. (1985)** Chemistry of autoxidation: Mechanism, products and flavor significance. In D.B. Min and T.H. Smouse (Eds.), flavor chemistry of fats and oils (pp. 1-37). Champain: ACOS press.

- Friedman, D. and young, L. (1997)** Effects of disease on clinical laboratory test . 3th. AACC press.
- Fukuda, Y.; Osawa, T.; Namiki, M. and Ozaki, T. (1985)** Studies on antioxidative substances in sesame seed. Agric. Biol. Chem., 49: 301-301.
- Fukuda, Y.; Nagata, M.; Osawa, T. and Namiki, M. (1986a)** Contribution of lignin analogues to antioxiidative activity of refined unroasted sesame seed oil. J. Am. Oil Chem. Soc. 63: 1027-1031.
- Fukuda, Y.; Nagata, M.; Osawa, T. and Namiki, M. (1986B)** Chemical aspects of the antioxidative activity of roasted sesame seed oil and the effect of using the oil for frying Agric. Biol. Chem. 50: 857-862.
- Fukuda, Y. and Namiki, M.(1988)**Recent studies on sesame seed and oil .Nippon Shoukuhin kogyo Gakkaishi,35:552-562.
- Fukuda, Y.; Koizumi, Y.; Ito, R. (1996)** Synergistic Action of the Antioxidative components in Roasted sesame seed oil, Nippon Shokuhin kagaku kogaku kashi, vol. 43 <sup>1272-1277</sup>.
- Gordon, M.H. (1989)** plant sterols as natural antipolymerization agents. In Proc. IUFOST Int. Symp: New aspects of dietary lipids. Benefits, hazards and use, pp.23-34. Goteborg.
- Hahm, T.S. and Min, D.B. (1995)** Analyses of peroxide values and headspace oxygen. In: K.W. Warner & N.A.M. Eskin (Eds.), Methods to assess quality and stability of oils and fat containing foods (pp. 146-158). Champain; AOCS Press.

- Hasenhuettl, G.L. and Wan, P.J. (1992)** Temperature effects on the determination of oxidative stability with Metrohm Rancimat . J. Am. Oil Chem. Soc., 69: 525-527.
- Hemalatha,S. and Ghafoorunissa (2007)** Food chem. 105(3). 1076-1085.
- Hirata, F.; Fujita, K.; Inshikura, Y. (1996)** Athero-sclerosis, 122,135.
- Hirose, M.; Takesada, V. and Tanaka, H. (1998)** Carinogenicity of antioxidants at low doses and modulation of their effects in a rat carcinogenesis, 19: 207-212.
- Huang, M.T; Ho,T.C. and Lee ,Y.C. (1992)** Phenolic Compounds in food and their effects on health . II Antioxidants and cancer prevention. A.C.S.S, Washington, DC. 97: 6156.
- Hui, Y.H. (1996)** Edible oil and oil seeds I: Baileys Industrial oil and fat products . wiley Interscience publ. vol(2) <sup>457-496</sup>.
- Inyang , V.E. and Nawadimkpa,C .V.(1992)**properties of Dehulled sesame (sesamum indicum L)see flour.Journal Of the American oil chemistis society,69(8):819-822.
- ITC (2001)** Third United Nations Conference on the least Developed Countries, Business Sector Round Table: Product Profile: oil seeds and products. International Trade Center. UNCTAD/WTO, Brussels, 16 May 2001.
- Kanu,p.j.;zhu,K.;Kanu,J.P.(2007)**Biologically active components and nutraceuticals in sesame and related products:areview and prospect.Trends in food science &Technology .18,599-608.
- Kamal-Eldin, A.; Appelqvist, L.A.; Yousif, G. and Iskaner, G.M. (1992)** Seed lipids of sesamum indicum and related wild species in sudan the sterols. J. Sci. Food. Agrc., 59: 327-334.

- Kamal-Eldin, A. and Appelqvist, L.a. (1994)** Vriation in the composition of sterols, tocopherols and lignans in seed oils from four sesamum species. J. Am. Oil Chem. Soc. 71: 149-156.
- Kamal-Eldin, A. and Applegvist, L.a. (1995)** The effects of extraction methods on sesame oil stability . J. Am. Oil Chem. Soc., 72: 67-969.
- Kanu,P.J.;Zhu,K.;kanu,B.J.(2007)**Biologically active components and related products:areview and prospect.Trends in Food Science &Technology.18:599-608.
- Katsuzaki, H.; Kawakishi, S. and Osawa, T. (1994)** sesaminol glucosides in sesame seeds. Phytochemistry 35 (3) : 773-776.
- Kikugawa. K.; Arai, M. and Kurechi, T. (1983)** Participation of sesamol in stability of sesame oil. J. Am. Oil Chem. Soc. 60: 1528-1533.
- Kinght, J. A; Shanna, A and Rowle. (1972)** Chemical basis of the sulfophospho vainlin reaction for setimeting serumlipids. Clin chem.,, 18(3). 100,<sup>199-202.</sup>
- Koizumi, Y.; Fukuda, Y. and Namiki, M. (1996)** Marked Antioxidative Activity of seed oils Developed by roasting of oil sesame seeds, Nippon shokuhim kagaku kaishi, vol(43).<sup>1272-1277.</sup>
- Kubow, S. (1992)** Routes of formation and formation and toxic consequences of lipid oxidation products in foods. Trends Food Sci. Technol. 12: 63-81.
- Lawson,h.(1995)**food oils and fat: Technology,Utilization and Nutrition,chapman and Hall.New York,PP:18.

**Lee, C.P. and Yen , G.C. (2006)** Antioxidant Activity and bioactive compounds of tea seedoil, Journal of Agriculture and food chem., 54, pp. <sup>779-784</sup>.

**Lee, K.T.; Park, S.M.; Hwang, Y.G. AND Kang, O.J. (1994)** Physico-chemical characteristics of oil during heating and fryong. J. Korean Soc. Soc. Food Nut. 23: 654-658.

**Lucy, S.H. (2005)** Sesame oil. Baileys Industrial oil and fat production. Ed., Ed. By Fereidoom shahidi, John wiley sons, Inc.

**Madsen, H.; Sorensen, B.; Skipsted, L. and Bertelson, G. (1998)** The antioxidative activity of summer savoy and rosemary in dressing stored exposed of light or in darkness. Food Chemistry, 63: 173-180.

**Magda,R.R.(1993)**Sesames seeds and oil.Food Marking &Tech Nology.7:12-13.

**Manal,I.C.(2005)**Determination of shelf-life of sesame seed oil Using hazard analysis.master degree.American University Of Beirut.lebanon.

**Mistry, B.S. and Min, D.B. (1992)** Oxidized Flavor compounds in edible oils. In: G. Charalambous (Ed), off flavors in foods and beverages (pp. 171-209). London: Elsevier Science.

**Mohamed, H.M.A. and Awatif, I.I. (1998)** The use of the sesame oil unsaponifiable matter as natural antioxidant. Food Chem., 62: 269-276.

**Mondal, G.C. and Nandi, B. (1984)** Role of fungi on oil quality of stored seeds of sesame, rape and linseed. J. Food Sci., 49: 1394-1400.



- Mostafa, M.M. (1987)** Nutritional aspects of thermal and irradiation processing of peanut kernels and their oil. J. Food Chemistry, 26, 31.
- Mukhopadhyay, N and Ray, A.K. (1999)** Effects of fermentation on the nutritive value of sesame seed meal in the dish for rohu, Labeo rohita (Hamilton), Fingerlings. Aquaculture Nutrition, 5: 229-236.
- Muralidhara, H.G. (1981)** In A panorama of the world of oil. National Education society, Shimoga, India. pp:56-75.
- Nagaral, G. (1991)** Fatty acid profile of new plant types in sesame (sesamum indicum). J. Oil Technol. India, 23 (2) : 28-20. (C.F. Field Crop Abstr., Vol. 46.2974).
- Nagata, M.; Osawa, T.; Namiki, M.; Fukuda, Y. and Ozaki, T. (1987)** Stereochemical structure of antioxidative bisepoxy lignans, sesaminol and its isomers, transformed from sesamol. Agric. Biol. Chem. 51: 1285-1289.
- Naikare, S.M. and Mabesa, R.C. (1993)** Processing of supplementary food prepared from Rice- Mungo – Sesame – Carrot Blends. J. Food Sci. Technol., 30 (6) : 341-453.
- Nakabayashi, A.; Kitagawa, Y.; Suwa, Y. (1995)** J. Vit. Nutr. Res. 65, 162.
- Namiki, M. (1995)** The chemistry and the physiology function of sesame. Food Rev. Inter. 11: 281-329.
- Namiki, M. and Kobayashi, T. (1989)** Science in sesame Asakurashten, Toko (In Japanese).
- Namiki, M.; Yamashita, K; and Osawa, T. (1993)** Active oxygens, lipids peroxides, and Antioxidants, Jaban Scientific society press, raton, florida, P.319.

- Osawa, T.; Nagata, M.; Namiki, M. and Fukuda, Y. (1985)** Sesamolol, a novel antioxidant isolated from sesame seeds. Agric. Biol. Chem., 49:3351-3352.
- Paz, I. and , Molero, M. (2001)** Study of the thermal stability of edible vegetable oils in different environments. Afinidad, 58 (493) : 190-196.
- Pokorny, J. (1987)** Major factors effecting the autoxidation of lipids. In H.W.S. Chan (Ed.), Autoxidation of insaturated lipids (pp. 141-206). London: Academic Press.
- Praat,D.E.(1992)**Natural antioxidants from plant material,in phenolic compounds in food and their effects in healthy Ed.By M.T.Huang,C.T.Ho and C.Y.Lee American Chemical Society New York,PP.55-71.
- Pugalendi, K.V.; Sambandam, G. and Ramakrishna Rao. M (2003)** sesame oil helps reduce dose of blood -pressure-lowering medicine. Heart Disease weekly, p53.
- Quinteiro, L.M.C. and Vianni, R. (1995)** Carcateristicas establilidae de oleose de soja. Ciencia e tecnologia de Alimentos, 15: 29-36.
- Rengstrom,J.;Walldius,G.;CARLSON,L.A.(1990)**Atherosclerosis. 82,43-51.
- Rashwan, M.R.A; Abdel-Gawad, A.S.; Omar, M.B.E. and El-Dingawy, R. (1990)** Comparative studies on soybean sunflower and peanut lipids. 1- Total lipids, neutral lipids and triglycerides. Assiut Journal ofAgric. Sci. vol. 21: 2. 1990.
- Rossell, J.B.; King, B. and Downes, M.J. (1983)** Detection of adulteration. J. Am. Oil Chem. Soc., 60 : 333.
- Salunkhe, D.K. Chavan, J.K.; Adsule, R.N. and Kadam, S.S. (1991)** Sesame, in the world oil seeds; Chemistry,

technology and utilization, Van Nostrand reinhold, New York, pp. 371-402.

**Salunkhe, D.K.; Chavan, J.K.; Adsule, R.N. (1992)** World oilseeds Chemistry, Technology and utilization, new York , PP 371-402.

**Sanker, D.O. (2003)** Sesame needs: a daily dose of sesame oil may lower your blood pressure. Runners world, v. 38i9p (20).

**Sankar,D.;Sambandam,G.;Ramakrishna,R.M.(2005)** Modulation of blood pressure,lipid profiles and redox status in hypertensive patients taking different edible oils.clinica chimica Acta,355,97-104.

**Satchithananandam,S.;Chanderbhan,R.;kharroubi,A.T(1996)**

Effect of sesame oil on serum and liver lipid profiles in

The rat .International journal for vitamin .pp.386-392.

**Sato,T.;Maw,A.A.and Katsuta,M.(2003)**NIR reflectance spectroscopic analysis of the FA composition in sesame (sesamum indicum L.)seed.J.Am.Oil Chem.Soc.,80:1157-1161.

**Schermer, S. (1967)** The Blood morphology of laboratory Animals. Lengmabs, Green and Co. LTD pp350.

**Sen, M. and Bhattacharyya, D.K. (2001):** Nutritional quality of sesame seed protein fraction extracted with isopropanol. J. Agric. Food Chem. 49: 2641-2646.

**Shahidi,F. (1997)** Natural antioxidants. AOCS <sup>1-11</sup>.

**Shahidi, F.; Amarowicz, R.; Abougharia, H.A. AND Shehata, A.Y. (1997)** Endogenous antioxidants and stability of sesame oil as affected by processing and storage. J. Am. Oil Chem. Soc., 74 :143-148.

**Shahina, N.; Siddiqi, R.; Sheihk, H. and Sayeed, A.S. (2005)** Deterioration of olive, corn and soybean oils due to air,

light, heat and deep-frying. Food Research International, 38; 127-134.

**Sherwin, E.R. and Tompson, T.W. (1997)** Tertiry-butyl hydroquinone, An antioxidant. Food Tech, 21, 106.

**Shyu, Y. and Hwang, L.S. (2002)** Antioxidative activity of the crude extract of lignan glycosides from unroasted Burma black sesame meal. Food Res. Inter. 35: 357-365.

**Sirato-Yasumoto, S. Katsuta, M., okuyama, Y. (2001)** J. Agric. Food chem., 49, 2647.

**Smith, K. (2006)** Sesame Seeds, oil and paste open up world of cooking. Blade (Toledo, OH).

**Sparrow, C.P., Doebber, T.W., Olszewski, J. (1992)** Invest., 89, 1885.

**Spencer, C.F.; Herb, S.F. and Gromisky, P.J. (1976)** Fatty acid composition as a basis for identification of commercial fatty acid oils. J. Am. Oil Chem. Soc., 53, 94.

**Sidwell, C.G.; Harold, S.; Milado, B. and Mitchell, J.H. (1954)** The Use of thiobarbituric acid as a measure of fat oxidation. J. AM. Oil. chem soc., 31(12):603-606.

**Sidel, J.; Hagele, E.O.; Ziegenhor, J. and Wahlefeld, A.W. (1983)** Reagent for the enzymatic determination of serum Total cholesterol with improved lipolytic efficiency. Clin chem, 29, 1075-50.

**Stainberg, D., Biol, J. (1997)** Chem., 272, 20, 963.

**Stevenson, S.G.; Vaisey-Genser, M. and Eskin, N.A.M. (1984)** Quality control in the use of deep frying oils. J. Amer. Oil Chem. Soc. 61: 1102-1108.

- Sullivan, D.R.; Kruijswijk, Z.; West, C.W.; Kholmeier, m.; katan, M.B. (1985)** Determination of serum triglycerides by an accurate enzymatic Method. Tietz, N.W.L. (1986) Textbook of clinical chemistry. W.B. saunders company. West Washington, square piladelphia, PA 9105.
- Surh, Y.J. (2002)** Anti-tumor promoting potential of selected Spice ingredients with antioxidative and anti-inflammatory activities. food and chemical toxicology. pp:1091-1097.
- Takashi, A.; Lakshmikuttyamma, a.; yoko, T. (2001)** Sesamin, asesame lignin, decreases fatty acid synthesis in rat liver accompanying the down-regulation of sterol regulatory element binding protein-1. Biochimica et Biophysican .1534,1-13.
- Tamano, S., Hirose, M., Tanak, H. (1992)** J. Cancer. Jpn. Res. 83,1279.
- Tietz, N.W.L. (1986)** Textbook of clinical chemistry .W.B.Saunders company. West Washington, square Philadelphia, PA 9105.
- Warner, K. (1995)** Sensory evaluation of oils and fat-containing foods. In K.W. Warner and N.A.M. Eskin (Eds.), Methods to assess quality and stability of oils and fat containing foods (pp.49-75). Champain AOCS press.
- Weiss, T.J. (1983)** In food oils and their uses. (2<sup>nd</sup> edn.), AVI publishing Co. Inc., Westport, CT, p. 157.
- White, P. (1991)** Methodes for measuring changes in deep-fat frying oil. J. Food Technol, 45: 75.
- Wikipedia (2009)** (<http://en.wikipedia.org/index.php?Sesame-oil&action=edit>).

- Williams, G.; Wong, C. and I at ropulos, M. (1990)** Toxicity studies of butylated hydroxyanisole and butylated hydroxyl toluene II. chronic feeding studies. food chem. Toxicol., 28: 799-806.
- Wu, W.H. (2007)** The contents of lignin in commercial of Taiwan and their changes during heating. food chem., 104, (1) 341-344.
- Yaneshlieva and Marinova (2001)** Stabilization of edible oils with natural antioxidants, European journal of lipid science and technology. 103, pp. <sup>752-767.</sup>
- Yen, G.C. (1990)** Influence of seed roasting process on the changes in composition and quality of sesame ( sesamum indicum) oil. J. Sci. Food agric. 50 (4): 563-570.
- Yen, G.C. (1991)** Thermal Stability of sesame/soybean oil Blends. Food Chem., 41: 355-360.
- Yen, G.C. and Shyu, S.L. (1989)** Oxidative stability of sesame oil prepared from sesame seed with different roasting temperatures. Food Chem., 31: 215-224.
- Yen, G.C.; Shyu, S.L. and Lin, T.C. (1986)** Studies on improving the processing of sesame oil. 1- Optimum processing conditions . Food Science, 13: 198-211.
- Yoshida , H. and Kajimoto, G. (1994)** Microwave Heating affects composition and oxidative stability of sesame (sesamum indicum) oil. J. Am. Food Sci. 59: 613-625.
- Yoshida, H. (1994)** Composition and quality characteristic of sesame seed (sesamum indicum) oil roasted at different temperatures in an electric oven. J. Sci. Food Agric., 65: 331-336.
- Yoshida, H. and Takagi, S. (1997)** Effects of seed roasting temperature and time on the quality characteristic of

sesame (sesamum indicm) oil. J. Sci. Food Agric., 75: 19-26.

**Yoshida, H., Hirakawa, y and Takagi, S (2000)** J. Sci. Food Agric., 80, 1495.

**Yoshida, H.; Abe, S.; Hirakawa, Y. (2001)** J. Sci. Food Agric., 81, 620.

**Yoshida, H.; Shigezaki, J.; Takagi, S. and Kajimoto, G. (1995)** Variation in the composition of various oacyl lipids, tocopherols and lignans in sesame seed oils roasted in a microwave oven. J. Sci. Food Agric., 68:407-415.

**Yung, sh.sh.and Lucy,S.H.(2002)**Antioxidative activity of the Crude extract of lignin glycosides from unroasted Burma Black sesame meal.food research International,35:375-365.

**Zheng, W. and Wang, S. (2001)** Antioxidant activity and phenolic compounds in select herbs. Journal of Agriculture and Food Chemistry, 49: 5165-5170.

**Zhu, x.; Wang, K.; Zhu, J. and Koga , M. (2001)** Analysis of cooking oil fumes by ultraviolet spectrometry. J. Agric. Food Chem., 49:4790-4794.