

เอกสารอ้างอิง

- เต็ม สมิตินันทน์. 2523. ชื่อพรรณไม้แห่งประเทศไทย (ชื่อพฤกษาศาสตร์-ชื่อพื้นเมือง), 379 หน้า. กรุงเทพฯ: พันธุ์พันธุ์ลิสซิ่ง.
- บังอร ณ พัทลุง. 2526. ไอลปิดและไอลโปโปรตีน, 227 หน้า. กรุงเทพฯ: ภาควิชาเคมี คลินิก คณะเทคโนโลยีการแพทย์ มหาวิทยาลัยมหิดล.
- ประเสริฐ สองเมือง. 2538. มะพุค. กสิกร. **68 (6)**: 568.
- พรทิพย์ โล่ห์เลขา. 2536. ไอลโปโปรตีนและการหลอดเลือดแดงแข็ง, 184 หน้า. กรุงเทพฯ: ชัยเจริญ.
- มนตรี จุฬาวัฒนา, ชัยณุสรร สวัสดิวัตน์, ยงยุทธ ยุทธวงศ์, กิญญา พานิชพันธ์, ประหยด โภมาრทัด, พินทิพ รื่นวงศ์, ธีรยศ วิทิตสุวรรณกุล, บูรชัย สนธยานนท์, สุมาลี ตั้งประดับกุล และมธุรส พงษ์ลิขิตมงคล. 2542. ชีวเคมี, 589 หน้า. กรุงเทพฯ: ภาควิชาชีวเคมี คณะวิทยาศาสตร์ มหาวิทยาลัยมหิดล.
- มาโนช วามานนท์ และ เพ็ญนภา ทรัพย์เจริญ. 2540. ยาสมุนไพรสำหรับงานสาธารณสุขมูลฐาน, 133 หน้า. สำนักงานปลัดกระทรวงกรุงเทพฯ.
- วีกุล วีระนุวัตติ และกนกนารถ ชูปัญญา. 2525. เคมีคลินิก, 554 หน้า. กรุงเทพฯ: คณะแพทยศาสตร์ศิริราชพยาบาล มหาวิทยาลัยมหิดล.
- วุฒิ วุฒิธรรมเวช. 2540. สารานุกรมสมุนไพร: รวมหลักเภสัชกรรมไทย, 358 หน้า. กรุงเทพฯ: ไอเดียนสโตร์.
- Abuja, P.M., Lohner, K. and Prassl, R. 1999. Modification of lipid-protein interaction in human low-density lipoprotein destabilizes ApoB-100 and decreases oxidizability. *Biochemistry* **38**: 3401-3408.

- Abuja, P.M., Murkovic, M. and Pfannhauser, W. 1998. Antioxidant and prooxidant activities of elderberry (*Sambucus nigra*) extract in low density lipoprotein oxidation. *J. Agric. Food Chem.* **46** (10): 4091-4096.
- Ansari, W.H., Rahman, W., Barraclough, D., Maynard, R. and Scheinmannn, F. 1976. Biflavonoids and a flavonone – chromone from the leaves of *Garcinia dulcis*. *J. Sci. Soc. Perkin. Transac.* **1**: 1458-1463.
- Aviram, M. and Fuhrman, B. 1997. Polyphenolic flavonoids inhibits metal ion-dependent and independent peroxidation of porcine low-density lipoproteins. *Biochem. Pharmacol.* **137 (Suppl 1)**: S45-50.
- Bannet, G.J. and Lee, H.H. 1989. Xanthones from Guttiferae. *Phytochemistry* **28**: 967-998.
- Belguendouz, L., Frémont, L. and Linard, A. 1997. Resveratrol inhibits metal ion-dependent and independent peroxidation of porcine low-density lipoproteins. *Bioc. Pharm.* **53**: 1347-1355.
- Belinky, P.A., Aviram, M., Mahmood, S. and Vaya, J. 1998. Structural aspects of the inhibitory effect of glabridin on LDL oxidation. *Free Radic. Biol. Med.* **24**: 1419-1429.
- Berliner, J.A. and Heinecke, J.W. 1996. The role of oxidized lipoproteins in atherogenesis. *Free Radic. Biol. Med.* **20** (5): 707-727.
- Bonnefont-Rousselot, D., Rouscilles, A., Bizard, C., Delattre, J., Jore, D. and Gardès-Albert, M. 2001. Antioxidant effect of ethanol toward *in vitro* peroxidation of human low-density lipoproteins initiated by oxygen free radicals. *Radic. Res.* **155**: 279-287.

- Borén, J., Lee, I., Zhu, W., Arnold, K., Taloy, S. and Innerarity, L. 1998. Identification of the low density lipoprotein receptor binding site in apolipoprotein B100 and the modulation of its binding activity by the carboxyl terminus in familial defective apo-B100, *J. Clin. Invest.* **101**: 1084-1093.
- Bowry, V.W., Ingold, K.U. and Stocker, R. 1992. Vitamin E in human low-density lipoprotein. *Biocmical J.* **288**: 341-344.
- Brown, J.E. and Rice-Evans, C.A. 1998. Luteolin-rich artichoke extract protects low density lipoprotein from oxidation in vitro. *Free Radic. Res.* **29**: 247-255.
- Brown, M.S and Goldstein, J.L. 1986. A receptor-mediated pathway for cholesterol homeostasis. *Science* **232**: 34-37.
- Brown, M.S and Goldstein, J.L. 1997. The SREBP pathway: regulation of cholesterol metabolism by proteolysis of a membrane-bound transcription factor. *Cell* **89**: 391-398.
- Camejo, G., Hurt-Camejo, E., Wiklund, O. and Bondjers, G. 1998. Association of apo B lipoproteins with arterial proteoglycans: pathological significance and molecular basis. *Artherosclerosis* **139**: 205-222.
- Carr, A.C., Zhu, B.Z. and Frei, B. 2000. Potent antioxidant mechanism of ascorbate (vitamin C) and α-tocopherol (vitamin E). *Circ. Res.* **87 (5)**: 349-354.
- Chanmahasatein, W. 1996. *Phytochemical study of Garcinia dulcis (ROXB) kurtz bark*. MSc. Pharmacology, Chulalongkorn University.
- Chisolm, G.M. and Steinberg, D. 2000. The oxidative modification hypothesis of atherogenesis: an overview. *Free. Radic. Biol. Med.* **28 (12)**: 1815-1826.
- Chisolm, G.M. III. 1991. Antioxidants and atherosclerosis: a current assessment. *Clin. Cardiol.* **14**: 125-130.

- Chomard, P., Seguin, C., Loireau, A., Autissier, N. and Artur, Y. 1998. Effects of iodotyrosines, thyronines, iodothyroacetic acids and thyromimetic analogues on in vitro copper-induced oxidation of low-density lipoproteins. *Biochem. Pharmacol.* **55 (10)**: 1591-1601.
- Cox, D.A. and Cohen, M.L. 1996. Effect of oxidized low-density lipoprotein on vascular contraction and relaxation: clinical and pharmacological implications in atherosclerosis. *Pharm. Rev.* **48 (1)**: 3-19.
- Crawford, R.S., Mudaliar, R.S., Henry, R.R. and Chait, A. 1999. Inhibition of LDL oxidation *in vitro* but not *ex vivo* by troglitazone. *Diabetes* **48**: 738-790.
- Croft, K.D., Puddcy, L.B., Rakic, V., Abu-Amsha, R. Dimmit, S.B. and Beilin, L.J. 1996. Oxidative susceptibility of low density lipoprotein. Influence of regular alcohol use. *Alcohol Clin. Exp. Res.* **20**: 980-984.
- Czinner, E., Hagymási, K., Blázovics, A., Kéry, Á. Szöke, É. and Lemberkovics, É. 2000. In vitro antioxidant properties of *Helichrysum arenarium* (L) Moench. *J. Ethnopharm.* **73**: 437-443.
- Durrington, P.N. 1995. Lipoprotein and their metabolism. In Hyperlipidaemia diagnosis and management (2nd ed.), pp. 25-71. New York: Butterworth-Heinemann.
- Endemann, G., Stanton, L.W., Madden, K.S., Bryant, C.M., White, R.T. and Protter, A.A. 1993. CD36 is a receptor for oxidized low density lipoprotein. *J. Biol. Chem.* **268**: 1181-1186.
- Esterbauer, H., Dieber-Rotheneder, M., Striegl, G. and Waeg, G. 1991. Role of vitamin E in preventing the oxidation of low-density lipoprotein. *Am. J. Clin Nutr.* **53(1)**: 314S-321S.
- Fabjan, J.S., Abuja, P.M., Schaur, J. and Sevanian, A. 2000. Hypochlorite induces the formation of LDL, a potentially atherogenics low density lipoprotein subspecies. *FEBS letters.* **499**: 69-72.

- Fong, L.G., Parthasarathy, S., Witztum, J.L. and Steinberg, D. 1987. Nonenzymatic oxidative cleavage of peptide bonds in apoprotein B-100. *J. lipid Res.* **28**: 1466-1477.
- Freeman, M., Ekkel, Y., Rohrer, L., Penman, M., Freedman, N.J., Chisolm, G.M., and Krieger, M. 1991. Expression of type I and type II bovine scavenger receptors in Chinese hamster ovary cells: lipid droplet accumulation and nonreciprocal cross competition by acetylated and oxidized low density lipoprotein. *Proc. Natl. Acad. Sci. USA* **88**: 4931-4935.
- Frémont, L., Belguendouz, L and Delpal, S. 1999. Antioxidant activity of resveratrol and alcohol - free wine polyphenols related to LDL oxidation and polyunsaturated fatty acid. *Life Sci.* **64 (26)**: 2511-2521.
- Fuhrman, B., Lavy, A. and Aviram, M. 1995. Consumption of red wine with meals reduces the susceptibility of human plasma low-density lipoprotein to lipid peroxidation. *Am. J. Clin. Nutr.* **61**: 549-554.
- Halliwell, B. 1995. Oxidation of low-density lipoproteins: questions of initiation, propagation, and the effect of antioxidants. *Am. J. Clin. Nutr.* **67 (3)**: 670S-677S.
- Halliwell, B. 1999. Antioxidant defence mechanisms: from the beginning to the end (of the beginning). *Free Rad. Res.* **31**: 261-272.
- Havel, R.J., Eder, H.A. and Bragdon, J.H. 1955. The distribution and chemical composition of ultracentrifugally separated lipoproteins in human serum. *J. Clin. Invest.* **34**: 1345-1353.
- Havel, R.J., Goldstein, J.I. and Brown M.S. 1980. Lipoprotein and lipid transport. In P.K. Bandy and L.E. Rosenberg (eds.) *Metabolic control and diseases*. (8th ed.), pp. 393-494. Philadelphia: W.B. Saunders Co.
- Herbert, V., Shaw, S. and Jayatilleke, E. 1996. Vitamin C driven free radical generation from iron. *J. Nutr.* **126**: 1213S-1220S.

- Hevonoja, T., Pentikäinen, M.O., Hyvönen M.T., Kovanen, P.T. and Ala-Korpela, M. 2000. Structure of low density lipoprotein (LDL) particles: basis for understanding molecular changes in modified LDL. *Biochim. Biophys. Acta* **1488**: 189-210.
- Hobbe, H.S., Brown, M.S. and Goldstein, J.L. 1992. Molecular genetics of the LDL receptor gene in familial hypercholesterolemia. *Hum. Mutat.* **1**: 445-466.
- Huang, T.C., Chen, C.P., Wefler, V. and Raftery, A. 1961. Stable reagent for the Liebermann-Burchard reaction: application to rapid cholesterol determination. *Anal. Chem.* **33**: 1405-1407.
- Huong, N.T.T., Matsumoto, K., Kasai, R., Yamasaki, K. and Watanabe, H. 1998. In vitro antioxidant activity of Vietnamese ginseng saponin and its componentas. *Biol. Pharm. Bull.* **21 (9)**: 978-981.
- Iinuma, M., Ito, T., Tosa, H. and Tanaka, T. 1996a. Five new xanthones from *Garcinia dulcis*. *J. Nat. Prod.* **59**: 472-475.
- Iinuma, M., Tosa, H., Ito, T., Tanaka, T. and Riswan, S. 1996b. Three new benzophenone-xanthone dimers from the root of *Garcinia dulcis*. *Chem. Phar. Bull.* **44 (9)**: 1744-1747.
- Ingold, K.U., Bowry, V.W., Stocker, R. and Walling, C. 1993. Autoxidation by α -tocopherol and ubiquinol in homogenous solution and in aqueous dispersions of lipid: unrecognized consequences of lipid particle size as exemplified by oxidation of human low density lipoprotein. *Proc. Natl. Acad. Sci. USA* **90**: 45-49.
- Ingold, K.U., Webb, A.C., Witter, D., Burton, G.W., Metcalfe, T.A. and Muller, D.P. 1987. Vitamin E remains the major lipid-soluble, chain-breaking antioxidant in human plasma even in individual suffering severe vitamin E deficiency. *Arch. Biochem. Biophys.* **259 (1)**: 224-225.

- Ishikawa, T., Suzukawa, M., Ito, T., Yoshida, H., Ayaori, M., Nishiwaki, M., Yonemura, A., Hara, Y. and Nakamura, H. 1997. Effect of tea flavonoid supplementation on the susceptibility of low-density lipoprotein to oxidative modification. *Am. J. Clin. Nutr.* **66**: 261-266.
- Ito, C., Miyamoto, Y., Nakayama, M., Kawai, Y., Rao, K.S. and Furukawa, H. 1997. A novel depsidone and some new xanthones from *Garcinia species*. *Chem. Phar. Bull.* **45 (9)**: 1403-1413.
- Jialal, I. and Grundy, S.M. 1992. Effect of dietary supplementation with alpha-tocopherol on the oxidative modification of low density lipoprotein. *J. lipid Res.* **33**: 899-906.
- Julkunen-Tiitto, R. 1985. Phenolics Constituents in the leaves of northern willows : Methods for the analysis of certain phenolics. *J. Agric. Food Chem.* **33**: 213-217.
- Kapiotis, S., Hermann, M., Held, I., Seelos, C., Ehringer, H. and Gmeiner, B.M. 1997. Genistein, the dietary-derived angiogenesis inhibitor, prevents LDL oxidation and protects endothelial cells from damage by atherogenic LDL. *Arterio. Throm. Vasc. Biol.* **17**: 2868-2874.
- Kasahara, S. and Henmi, S. 1986. Medicine herb index in Indonesia; P.T. pp.92. Jakarta: Eisai Indonesia.
- Kerry, N. and Abbey, M. 1998. The isoflavone genistein inhibits copper and peroxyl radical mediated low density lipoprotein oxidation *in vitro*. *Atherosclerosis* **140 (2)**: 341-347.
- Kleinvelde, H.A., Hak-Lemmers, H.L.M., Stalenhoef, A.F.H. and Demacker P.N.M. 1992. Improved measurement of low-density-lipoprotein susceptibility to copper-induced oxidation: application of short procedure for isolating low-density lipoprotein. *Clin. Chem.* **38 (10)**: 2066-2072.

- Knott, T.J., Pease, R.J., Powell, L.M., Wallis, S.C., Rall Jr, S.C., Innerality, T.L., Blackhart, B., Taloy, W.H., Marcel, Y. and Miline, R. 1986. Complete protein sequence and identification of structural domains of human apolipoprotein B. *Nature* **323**: 734-738.
- Kosela, S., Hu, L., Rachmatia, T., Hanafi, M. and Sim, K.Y. 2000. Dulxanthones F-H, three new Pyranoxanthones from *Garcinia dulcis*. *J. Nat. Prod.* **63**: 406-407.
- Kosela, S., Hu, L., Yip, S., Rachmatia, T., Sukri, T., Dualay, T.S., Tan, G., Vittal, J.J. and Sim, K. 1999. Dulxanthone E: a pyranoxanthone from leaves of *Garcinia dulcis*. *Phytochemistry* **52**: 1375-1377.
- Koshy, A.S., Anilia, L. and Vijayalakshmi, N.R. 2001. Flavonoids from *Garcinia cambogia* lower lipid levels in hypercholesterolemic rats. *Food Chem.* **73** (2): 289-294.
- Kwiterovich Jr, P.O. 2000. The metabolic pathways of high-density lipoprotein, low density lipoprotein, and triglycerides: a current review. *Am. J. Cardiol.* **86** (12A): 5L-10L.
- Lampi, A., Hopia, A. and Piironen, V. 1997. Antioxidant activity of minor amounts of γ -tocopherol in natural triacylglycerols. *J. Am. Oil Chem. Soc.* **74**(5): 549-555.
- Lapenna, D., de Gioia, S., Ciofani, G., Bruno, C., Porreca, E., Pierdomenico, S D. and Cuccurullo, F. 1998. Antioxidant properties of ticlopidine on human low density lipoprotein oxidation. *FEBS Letters.* **436** (3): 357-360.
- Leake, D.S. 1998. Effect of flavonoids on the oxidation of low-density lipoproteins. In C.A. Rice-Evans and L. Packer (eds.), *Flavonoids in health and disease* (3rd), pp.163-177. New York: Marcel Dekker, Inc.

- Leake, D.S. 2001. Flavonoids and the oxidation of low-density lipoprotein. *Nutrition* **17 (1)**: 63-66.
- Libby, P., Aikawa, M. and Schönbeck, U. 2000. Cholesterol and atherosclerosis. *Biochim. Biophys. Acta* **1592**: 299-309.
- Likhithwitayawuid, K., Phadungcharoen, T. and Krungkrai, J. 1998a. Antimalarial xanthones from *Garcinia cowa*. *Planta Med.* **64**: 70-72.
- Likitwitayawuid, K., Chanmahasatein, W., Ruanrungsi, N. and Krungkrai, J. 1998b. Xanthones with antimalarial activity from *Garcinia dulcis*. *Planta Med.* **64**: 281-282.
- Lu, S. C., Wu, W.H., Lee, C.A., Chou, H.F., Lee, H.R. and Huang, P.C. 2000. LDL of Taiwanese vegetarians are less oxidizable than those of omnivores. *J. Nutri.* **130 (6)**: 1591-1596.
- Mackeen, M.M., Ali, A.M., Lajis, W.H., Kawazu, K., Hassan Z., Amran, M., Habsah, M., Mooi, L.Y. and Mohamed, S.M. 2000. Antimicrobial, antioxidant, antitumour-promoting and cytotoxic activities of different plant part extracts of *Garcinia atroviridis*. Griff ex T. Anders. *J. Ethnopharm.* **72**: 395-402.
- Mackness, M.I. and Durrington, P.N. 1992. Lipoprotein separation and analysis for clinical studies. In C.A. Converse and E.R. Skinner (eds.), *Lipoprotein analysis: a practical approach*, pp. 1-9. New York: Academic Press.
- Mahabusarakam, W., Proudfoot, J., Taylor, W. and Croft, K. 2000. Inhibition of lipoprotein oxidation by prenylated xanthones derived from mangostin. *Free Rad. Res.* **33**: 643-659.
- Mahabusarakam, W., Wiriachitra, P. and Phongpaichit, S. 1986. Antimicrobial activities of chemical constituents from *Garcinia mangostana* I. *J. Sci. Soc. Thailand* **12**: 239-242.

- Maitra, I., Marcocci, L., Droy-Lefaix, M.T., Packer, L. 1995. Peroxyl radical scavenging activity of *Ginkgo biloba* extract EGb 761. *Bioc. Pham.* **49**: 1649-1665.
- Markwell, M.A.K., Hass, S.M., Bieber, L.L. and Tolbert, N.E. 1978. A modification of the Lowry Procedure to simplify protein determination in membrane and lipoprotein samples. *Anal. Bioc.* **87**: 206-210.
- Mayes, P.A. 1996. Lipid transport and storage. In Murray, R.K., Granner, D.K., Mayes, P.A. and Rodwell, V.W. (eds.), Harper's Biochemistry. (24th ed.), pp. 254-270. New Jersey: Prentice-Hall International Inc.
- McAnlis, G.T., McEneny, J., Pcaree, J. and Young I.S. 1999. Absorption and antioxidant effects of quercetin from onions in man. *Euro. J. Clin Nutr.* **53**: 92-96.
- McNamara, D.J. 2000. Dietary cholesterol and atherosclerosis. *Biochim. Biophys. Acta* **1529**: 310-320.
- Meydani, M. 2001. Vitamin E and atherosclerosis: beyond prevention of LDL oxidation. *J. Nutr.* **131 (2)**: 366S-368S.
- Miller III, E.R., Appel, L.J. and Risby, T.H. 1998. Effect of dietary patterns on measures of lipid peroxidation results from a randomized clinical trial. *Circulation* **98**: 2390-2395.
- Minami, H., Kinoshita, M., Fukuyama, Y., Kodama, M., Yoshizawa, M., Sugura, M., Nakagawa, K. and Tago, H. 1994. Antioxidant xanthones from *Garcinia subelliptica*. *Phytochemistry* **36 (2)**: 501-506.
- Minami, H., Kuwayama, A., Yoshizawa, T. and Fukuyama, Y. 1996. Novel prenylated xanthones with antioxidant property from the wood of *Garcinia subelliptica*. *Chem. Phar. Bull.* **44**: 2103-2106.

- Minami, H., Takahashi, E., Fukuyama, Y., Kodama, M., Yoshizawa, T. and Nakagawa, K. 1995. Novel xanthones with superoxide scavenging activity from *Garcinia subelliptica*. *Chem. Phar. Bull.* **43**: 347-349.
- Montgomery, R., Conway, T. W. Spector, A.A. and Chappell, D. 1996. Lipoproteins. In Biochemistry a case-oriented approach (6th ed.), pp. 356-389. St. Louis, Missouri: Mosby-Year Book, Inc.
- Morel, I., Cillard, P. and Cillard, J. 1998. Flavonoid-metal interactions in biological system. In C.A. Rice-Evans and L. Packer (eds.), Flavonoids in health and disease (3rd), pp.163-177. New York: Marcel Dekker, Inc.
- Palinski, W., Rosenfeld, M.E., Ylä-Herttuala, S., Gurtner, G.C., Socher, S.S., Butler, S.W., Parthasarathy, S., Carew, T.E., Steinberg, D. and Witztum, J. 1989. Low density lipoprotein undergoes oxidative modification *in vivo*. *Proc. Natl. Acad. Sci. USA* **86**: 1372-1376.
- Parthasarathy, S., Santanam, N. and Augé, N. 1999a. Antioxidants and low density lipoprotein oxidation. In A.M. Papas (ed.), Antioxidant status, diet, nutrition, and health. (ed.)pp. 348-369. Florida: CRC Press USA.
- Parthasarathy, S., Santanam, N., Ramachandran, S. and Meilhac, O. 1999b. Oxidants and antioxidants in atherosclerosis: an appraisal. *J. Lipid Res.* **40**: 2143-2156.
- Patsh, W. and Gotto, A.M. 1995. High-density lipoprotein cholesterol, plasma triglyceride and coronary heart disease: pathophysiology and management. In J.T. August, M.W. Anders, F. Murad and J. Coyle (eds.) Advances in pharmacology (vol. 32), pp. 375-426. Oxford: Oxford University press.
- Pearson, D.A., Tan, C.H., German, B., Davis, P.A. and M.E. 1999. Apple juice inhibits Human Low-Density Lipoprotein Oxidation. *Life Sci.* **64 (21)**: 1913-1920.

- Peres, V., Nagem, T.J. and Faustino de Oliveira, F. 2000. Tetraoxygenated naturally occurring xanthones. *Phytochemistry* **55**: 683-710.
- Pitaknantakul, K. 1998. *An in vitro model for the study of Fe-catalyzed oxidation of LDL*. MSc. Phamacology, Mahidol University.
- Ramirez-Tortosa, C.M., Mesa, D.M., Aguilera, C.M., Quiles, L.J., Baro, L., Ramirez-Tortosa, L.C., Martinez-Victoria, E. and Gil, A. 1999. Oral administration of tumeric extract inhibits LDL oxidation and has hypcholesterolemic effects in rabbits with experimental atherosclerosis. *Atherosclerosis* **147**: 371-378.
- Remaley, A.T., Rust, S., Rosier, M., Knapper, C., Naudin, L., Broccardo, C., Peterson, K.M., Koch, C., Arnould, I. and Prades, C. 1999. Human ATP-binding cassette transporter I (ABC I): genomic organization and identification of the genetic defect in the original Tangier disease kindred. *Proc. Natl. Acad. Sci. USA* **96**: 1268-1269.
- Retsky, K.L., Chen, K., Zeind, J. and Frei. B. 1999. Inhibition of copper-induced LDL oxidation by vitamin C is associated with decreased copper-binding to LDL and 2-oxo-histidine formation. *Free Radic. Biol. Med.* **26 (1-2)**: 90-98.
- Rice-Evans, C.A., Miller, N.J. and Paganga, G 1996. Structure-antioxidant activity relationship of flavonoids and phenolic acids. *Free Radic. Biol. Med.* **20 (7)**: 933-956.
- Richard, C.O., Ming, L., Nicholas, B. and Joanne, M. 2000. In vitro and in vivo antioxidant properties of gliclazide. *J. Diabetes Compl.* **14 (4)**: 201-206.
- Ridgway, T., O'Reilly, J., West, G., Tucker, G. and Wiseman, H. 1997. Antioxidant action of novel derivatives of the apple derived flavonoid phloridzin compared to oestrogen: relevance to potential cardioprotective action. *Biochem. Soc. Trans.* **25**: 106S.

- Sánchez-Moreno, C., Jiménez-Escríg, A. and Saura-Calixto, J. 2000. Study of low-density lipoprotein oxidizability indexes to measure the antioxidant activity of dietary polyphenols. *Nutr. Res.* **20** (7): 941-953.
- Satué-Gracia, M.T., Heinonen, M. and Frankel, E.N. 1997. Anthocyanins as antioxidants on human low-density lipoprotein and lecithin-liposome systems. *J. Agric. Food chem.* **45**: 3362-3367.
- Shimada, K., Fujikawa, K., Yahara, K., nad Nakamura, T. 1992. Antioxidative properties of xanthan on the autoxidation of soybean oil in cyclodextrin emulsion. *J. Agric. Food Chem.* **40**: 945-948.
- Skinner, E.R. 1992. The separation and analysis of high-density lipoprotein (HDL) and low-density lipoprotein (LDL) subfractions. In C.A. Converse and E.R. Skinner (eds.), Lipoprotein analysis: a practical approach, pp. 85-116. Oxford: Oxford University Press.
- Sordat-Diserens, I., Rogers, C., Sordat, B. and Hostettmann, K. 1992. Prenylated xanthones from *Garcinia livingstonei*. *Biochemistry* **31** (1): 313-316.
- Stein, E.A. 1986. Lipids, lipoproteins, and apolipoproteins. In N.W. Tietz (ed.), Clinical chemistry, pp. 829-900. USA: W.B. Saunders.
- Steinberg, D., Parthasarathy, S., Carew, T.E., Khoo, J.C. and Witztum, J.L. 1989. Modification of low density lipoprotein that increase its atherogenicity. *N. Engl. J. Med.* **320** (14): 915-924.
- Steinbrecher, U.P. 1987. Oxidation of human low density lipoprotein results in derivatization of lysine residues of apolipoprotein B by lipid peroxide decomposition products. *J. Biol. Chem.* **262**: 3603-3608.
- Tamura, A., Sato, T. and Fuji, T. 1990. Antioxidant activity of indapamide and its metabolite. *Chem. Pharm. Bull.* **38** (1): 255-257.

- Van Acker, F.A.A., Schouten, O., Haenen, G.R.M.M., van der Vijgh, W.J.F. and Bast, A. 2000. Flavonoids can replace α -tocopherol as an antioxidant. *FEBS Letter* **473**: 145-148.
- Van Gold, P.H.M., Sloots, L.M., Vermeulen, W.P., Wielders, J.P.M., Hart, H.Ch., Bouma, B.N. and Van de Wiel. 1999. The role of alcohol in the anti low density lipoprotein oxidation activity of red wine. *Atherosclerosis* **147 (2)**: 365-370.
- Waterman, P.G. and Hussain, R.A. 1983. Systematic significance of xanthones benzophenones and biflavonoids in *Garcinia*. *Biochem. Sys. Ecol.* **11**: 21-28.
- Williams, P., Ongsakul, M., Proudfoot, J., Croft, K. and Beilin, L. 1995. Mangostin inhibits the oxidative modification of human low density lipoprotein. *Free Rad. Res.* **23 (2)**: 175-184.
- Witztum, J.L. and Steinberg, D. 1991. Role of oxidized lipoprotein in atherosclerosis. *J. Clin. Invest.* **88**: 1785-1792.
- Xiaohong, Y., Jing-ping, O. and Shuzheng, T. 2000. Angelica protects the human vascular endothelial cell from the effect of oxidized low-density lipoprotein *in vitro*. *Clin. Hemorh. Microcirc.* **22 (4)**: 317-323.
- Yamaguchi, F., Ariga, T., Yoshimura, Y. and Nakazawa, H. 2000. Antioxidative and anti-glycation activity of garcinol from *Garcinia indica* fruit rind. *J. Agric. Food Chem.* **48 (2)**: 180-185.
- Yamakoshi, J., Kataoko, S., Koga, T. and Ariga, T. 1999. Proanthocyanidin-rich extract from grape seeds attenuates the development of aortic atherosclerosis in cholesterol-fed rabbits. *Atherosclerosis* **142**: 139-149.

- Yamasaki, K., Hashimoto, A., Kokusenya, Y., Miyamoto, T. and Sato, T. 1994. Electrochemical method for estimating the antioxidative effects of methanol extracts of crude drugs. *Chem Pharm. Bull.* **43**: 1663-1665.
- Ylä-Herttuala, S., Palinski, W., Rosenfeld, M.E., Parthasarathy, S., Carew, T.E., Butler, S., Witztum, J.L. and Steinberg, D. 1989. Evidence for the presence of oxidatively modified low density lipoprotein in atherosclerotic lesions of rabbit and man. *J. Clin. Invest.* **84**: 1086-1095.
- Yoshikawa, M., Harada, E., Miki, A., Tsukamoto, K., Liang, S.Q., Yamahara, J. and Murakami, N. 1994. Antioxidant constituents from the fruit hulls of mangosteen (*Garcinia mangostana* L.) originating in Vietnam. *Yakugaku Zasshi* **114 (2)**: 129-133.
- Zhang, Z., Chang, Q., Zhu, M., Huang, Y., Walter, K.K. and Chen, Z. 2001. Characteristic of antioxidants present in hawthorn fruits. *J. Nutr. Biochem.* **12 (3)**: 144-152.
- Zhu, Q.Y., Huang, Y. and Chen, Z. 2000. Interaction between flavonoids and α -tocopherol in human low density lipoprotein. *J. Nutr. Biochem.* **11 (1)**: 14-21.