

References:

Abd-Allah, A . R.; Al-Majeed, A. A.; Mostafa, A. M.; Al-Shabanah, O.A .; Din, A . G .; Nagi, M. N. (2002): Protective effect of arabic gum against cardiotoxicity induce by doxorubicin in mice: a possible mechanism of protection. J Biochem Mol Toxicol. 16:254–259.

Abdulhakeem, A.; Al-Majed, R. A.; Abd-Allah, A. C.; Al-Rikabi, O. A.; Al-Shabanah , A. M. (2003): Effect of oral administration of arabic gum on cisplatin-induced nephrotoxicity in rats . Biochem Molecular Toxicology. 17 (3) 146 – 153.

Agarwal, R.; Agarwal, C.; Ichikawa, H.; Singh, R.P.; Aggarwal,B.B. (2006): Anticancer potential of silymarin: from bench to bed side. Anticancer Res. 26:4457–98.

Alba, L.M. and Lindor, K. (2003): Nonalcoholic fatty liver disease. Aliment Pharmacol Ther. 17: 977-986.

Ali, B. H. (2004): Does gum Arabic have an antioxidant action in rat kidney: Renal Failure. 26(1): 1-3.

Ali, B.H.; Al-Qarawi, A.A.; Haroun, E. M.; Mousa, H. M. (2003): The effect of treatment with gum arabic on gentamicin nephrotoxicity in rats : a preliminary study. Ren Fail. 25(1):15–20.

Al-majed, A.A.; Mostafa, A. M.; Al-rikabi, A. C.; Al-shabanah, O. A. (2002): Protective effects of oral Arabic gum

administration on gentamicin-induced nephrotoxicity in rats .
Biochem Molecular Toxicology. 46(5): 445-451.

Aronoff, D.M.; Oates, J.A.; Boutaud, O. (2006): "New insights into the mechanism of action of acetaminophen: Its clinical pharmacologic characteristics reflect its inhibition of the two prostaglandin H2 synthases". Clin. Pharmacol. 79 (1): 9–19.

Ayman, M.; Gamal el-din, A. M.; Mostafa, O.A.; Al-Shabanah, A. M.; Al- Bekairi, M. N. (2003): Protective effect of Arabic gum against acetaminophen –induced hepatotoxicity in mice. Pharmacological research. 48: 631-635.

Bastida, G.; Nos, P.; Aguas, M.; Beltrán, B.; Rubín, A.; Dasí, F.; Ponce, J. (2005): "Incidence, risk factors and clinical course of Azathiopurine-induced liver injury in patients with inflammatory bowel disease". Aliment Pharmacol Ther. 22 (9): 775–82.

Beasley, R.; Clayton, T.; Crane, J.; von Mutius, E.; Lai, C.; Montefort, S.; Stewart, A. (2008). "Association between paracetamol use in infancy and childhood, and risk of asthma, rhinoconjunctivitis, and eczema in children aged 6–7 years: analysis from Phase Three of the ISAAC programme." The Lancet. 372: 1039–1048.

Bergemeyer, H.U. (1974) : Methods of enzymatic analysis , 2nd ed
Weihem : Verlag Chemie P 1: 565.

Birrer, R.; Takuda, Y.; Takara, T. (2007): Hypoxic hepatopathy: pathophysiology and prognosis. *Intern Med.* 46:1063.

Borne, R. F.; William, O.; Lemke, T. L.; Williams, D. A. (1995): Nonsteroidal Anti-inflammatory Drugs" in *Principles of Medicinal Chemistry*, Fourth Edition. Eds. p. 544–545.

Buffo, R.A.; Reineccius, G.A.; Oehlert, G.W. (2001): Factors affecting the emulsifying and rheological properties of gum acacia in beverage emulsions. *Food Hydrocolloids.* 15:53–66

Busch, M.P.; Shafer, K.A. (2005): Acute-phase hepatitis C virus infection: implications for research, diagnosis, and treatment. *Clin Infect Dis.* 40:959-61.

Carithers, R.L. and McClain, C. (2006): Alcoholic liver disease. *Gastrointestinal and Liver Disease*. 8th ed. Philadelphia, Pa: Saunders Elsevier. , 81.

Carrasco, R.; Perez-Mateo, M.; Gutierrez, A.; Esteban, A.; Mayol, M.J.; Cartula, J.; Ortiz, P. (2000): Effect of different doses of S-adenosyl-L-methionine on paracetamol hepatotoxicity in a mouse model. *Methods Find Exp Clin Pharmacol.* 22(10): 737-745.

Chandrasekharan, N.V.; Dai, H.; Roos, K.L. (2002): "COX-3, a cyclooxygenase-1 variant inhibited by acetaminophen and other analgesic/antipyretic drugs: cloning, structure, and expression". *Proc. Natl. Acad. Sci.* 99 (21): 13926–31.

Chernecky, C.C. and Berger, B.J. (2008). Laboratory Tests and Diagnostic Procedures, 5th ed. St. Louis: Saunders. , 98.

Chopra, S. (2002): The Liver Book: A Comprehensive Guide to Diagnosis, Treatment, and Recovery, 6th ed. Philadelphia, Pa: Saunders Elsevier. , 105.

Chyu, K.; Babbidge, S.M.; Zhao, X.; Dandillaya, R.; Cartula, J.; von Mutius, E. (2004): Differential Effects of Green Tea–Derived Catechin on Developing Versus Established Atherosclerosis in Apolipoprotein E- Nul Mice. Circulation. 109:2448-2453.

Clin, H. Y.; Ishii, H.; Hibi, T. (2005): Severe alcoholic hepatitis in Japan: prognosis and therapy. Alcohol Exp Res. 25(10)1-8.

Codipilly, C.N. and Wapnir, R.A.(2004):Proabsorptive action of gum arabic in isotonic solutions orally administered to rats. II. Effects on solutes under normal and secretory conditions.Dig Dis Sci. 49(9):1473-8.

Colas, C. R.; Temprano G. R.; Gómez, A. C.; Munoz, C. P.; Pascual, G. J. (2005): Abuse pattern of analgesics in chronic daily headache: a study in the general population. Rev. Clin. Esp. 205 (12): 583–87.

Cox, A.L.; Netski , D.M.; Mosbrugger, T. (2005): Prospective evaluation of community-acquired acute-phase hepatitis C virus infection. *Clin. Infect.* 40:951-958.

Czaja, A.J. and Carpenter, H.A. (2006): Distinctive clinical phenotype and treatment outcome of type 1 autoimmune hepatitis in the elderly. *Hepatology.* 43(3):532-538.

Daly, F. F.; Fountain, J. S.; Murray, L .; Graudins, A.; Buckley, N. A. (2008):Guidelines for the management of paracetamol poisoning in Australia and New Zealand—explanation and elaboration. *Med. J.* 188 (5): 296–301.

Dart, R.C.; Erdman. A.R; Olson, K.R. (2006): Acetaminophen poisoning: an evidence-based consensus guideline for out-of-hospital management. *Clin Toxicol.* 44(1):1-18.

Das, S.K. and Vasudevan, D.M. (2006): Protective effects of silymarin, a milk thistle (*Silybium marianum*) derivative on ethanol –induced oxidative stress in liver. *Indian J Biochem Biophys.* 43:306–311.

Datta, S.; Sinha, S.; Bhattacharya, P. (1999) : Hepatoprotective activity of an herbal protein CI-1, purified from *Cajanus indicus* against galactosamine HCl toxicity in isolated rat hepatocytes. *Indian J. Pharmacol.* 26 :19-22.

David, Z. and Thomas, D. (2003): Hepatology: a textbook of liver disease, 4th ed. Philadelphia: Saunders 68.

Dong, H.; Haining, R.L.; Thummel, K.E.; Rettie, A.E.; Nelson, S.D. (2000): "Involvement of human cytochrome P450 2D6 in the bioactivation of acetaminophen". Drug Metab Dispos 28 (12): 397–400.

Dury, R.A.B. and Wallington, E.A. (1967): Carleton Histological Technique, 4th ed. Oxford University Press, Oxford, P. 129.

Dziezak, J.D. (1999): A focus on gums. Food Technol. 45:116–132.

Ellis, F. and Frank, J. (2002): Paracetamol: a curriculum resource. Cambridge: Royal Society of Chemistry. 16 (3): 112-120.

Ferenci, P.; Dragosics, B.; Dittrich, H.; Frank. H.; Benda, L.; Lochs, H.; Zhao, X.; Dandillaya, R. (1989) .Randomized controlled trial of silymarin treatment in patients with cirrhosis of the liver. J Hepatol. 9 : 105-113.

Fischbach, F.T.; Dunning, M.B.; Colas, J. R. (2009). Manual of Laboratory and Diagnostic Tests, 8th ed. Philadelphia: Lippincott Williams and Wilkins P66.

Fisher R.A. (1958): Statistical Methods for Research Workers . Thirteenth revised edition . Oliver and Boyed , Edinburgh. P 15 – 67.

Fuyama, H. and Tsuji, K. (1981): Oil-in-water insecticidal and acaricidal emulsion. *Planta Med.* 4: 283- 295.

Gazak, R.; Walterova, D.; Kren, V. (2007). Silybin and silymarin-new and emerging applications in medicine. *Curr Med Chem.* 14:315–338.

Gebhardt, R. (2002). Oxidative stress, plant-derived antioxidants and liver fibrosis. *Planta Med.* 68 : 289-296.

Giannini, E.G.; Testa, R.; Savarino, V. (2005): Liver enzyme alteration: a Guide for clinicians. *CMAJ.* 172(3):367–379.

Goodrum, L.J.; Patel, A.; Leykam, J.F.; Kieliszewski, M.J. (2000): Gum Arabic glycoprotein contains glycomodules of both extension and arabinogalactan-glycoproteins. *Phytochemistry.* 54:99–106

Gopal, D.V. and Rosen, H.R. (2000): Abnormal findings on liver function tests. Interpreting results to narrow the diagnosis and establish a prognosis. *Postgrad Med.* 107(2):100–114.

Heard, K.J. (2008): Acetylcysteine for acetaminophen poisoning. *N Engl J Med.* Jul 17 ;359(3):285-292.

Hendrickson, R. G.; Kenneth E.; Bizovi, D. (2006): "Acetaminophen", Toxicologic emergencies textbook. 4th ed. Philadelphia , p. 525.

Hill, B.A. (1971): Principles of medical statistics 9th ed. London: limited publication, 147-283.

Hinz, B.; Cheremina, O.; Brune, K. (2008). "Acetaminophen (paracetamol) is a selective cyclooxygenase-2 inhibitor in man.". The FASEB journal : official publication of the Federation of American Societies for Experimental Biology. 22 (2): 383–390.

Hoofnagle, J.H. (2005): Milk thistle and chronic liver disease. Hepatology Textbook 5th ed. Philadelphia, p 56.

Huseini, H.F.; Larijani, B.; Heshmat, R.; Fakhrzadeh, H.; Radjabipour, B.; Toliat, T.; Raza, M. (2006) "The Efficacy of Silybum marianum (L.) Gaertn. (Silymarin) in the Treatment of Type II Diabetes: A Randomized, Double-blind, Placebo-controlled, Clinical Trial." Phytotherapy Research. 20(12):1036-1039.

Huzinec, R.J. and Graff, A.H. (1987) Coatings for chewing gums containing gum arabic and a soluble calcium salt. US patent application . 12: 439 – 442.

Ibrahim, M.A.; Kohn, N.; Wapnir, R.A. (2004): Proabsorptive effect of gum arabic in isotonic solutions orally administered to rats: effect on zinc and other solutes.J. Nutr. Biochem. 15(3):185-189.

Idris, O.H.M.; Williams, P.A.; Phillips, G.O. (1998): Characterization of gum from *Acacia senegal* trees of different age and location using multidetection gel permeation chromatography. *Food Hydrocolloids*. 12:379–388

Imeson, A. (1992) Exudate gums. Thickening and gelling agents for food. Chapman and Hall, London. pp 66–97

Ioannides, C. (2002). Pharmacokinetic interactions between herbal remedies and medicinal drugs. *Xenobiotica*. 32(6):451-478.

Islam, A.M.; Phillips, G.O.; Sljivo, M.J.; Williams, P.A. (1997): A review of recent developments on the regulatory, structural and functional aspects of gum arabic. *Food Hydrocolloids* 11:49-67.

James, L.P.; Capparelli, E.V.; Simpson, P.M. (2008): Acetaminophen-associated hepatic injury: evaluation of acetaminophen protein adducts in children and adolescents with acetaminophen overdose. *Clin Pharmacol Ther.*; 84(6):684-690.

Jayaraj, R.; Deb, U.; Bhaskar, A. (2009): Hepatoprotective efficacy of certain flavonoids against microcystin induced toxicity in mice. *Environmental Toxicology*. 22:472-479.

Jennifer, D.; Gibson, N. R.; Pumford, V. M.; Samokyszyn, N.; Jack, A. H. (1996): Mechanism of Acetaminophen-Induced Hepatotoxicity: Covalent Binding versus Oxidative Stress *Chem. Res. Toxicol.*, 9 (3):580–585.

Karamalla, K.A.; Siddig, N.E.; Osman, M.E. (1998): Analytical data for Acacia senegal var. senegal gum samples collected between 1993 and 1995 from Sudan. Food Hydrocolloids 12:373–378.

Kattumuri, V.; Katti, K.; Bhaskaran, S.; Boote, E.J.; Casteel, S.W.; Fent, G.M.; Robertson, D.J.; Chandrasekhar, M.; Kannan, R.; Katti K.V.(2007):Gum arabic as a phytochemical construct for the stabilization of gold nanoparticles: in vivo pharmacokinetics and X-ray-contrast-imaging studies. Pharm Res. 3(2):333-341.

Khalil, U.; Rehman, C. N.; Codipilly, R. A.; Wapnir, D. (2004):Modulation of Small Intestinal Nitric Oxide Synthase by Gum Arabic Experimental Biology and Medicine 229:895-901.

Kosina, P.; Maurel, P.; Ulrichova, J.; Dvorak, Z. (2005). Effect of silybin and its glycosides on the expression of cytochromes P450 1A2 and 3A4 in primary cultures of human hepatocytes. J Biochem Mol Toxicol. 19 : 149-153.

Kourounakis, A. P. ; R ekkæ, A. ; K ourounakis, P. N. (1997): Antioxidant activity of guaiazulene and protection against paracetamol hepatotoxicity in rats Journal of pharmacy and pharmacology. 49(9): 938-942

Lai, C.L.; Ratziu, V.; Yuen, M.F.; Poynard, T. (2003): Viral hepatitis B. Lancet. 362(9401):2089-2094.

Larson, A.M.; Polson, J.; Fontana, R.J.; Larijani, B.; Heshmat, R.(2005). "Acetaminophen-induced acute liver failure: results of a United States multicenter, prospective study". *Hepatology* 42 (6): 1364–1372.

Lesko, S.M. and Mitchell, A.A. (October 1999). "The safety of acetaminophen and ibuprofen among children younger than two years old". *Pediatrics* 104 (4): 39- 45.

Lim, J.R.; Faught, P.R.;; Chalasani N.P.; Molleston, J.P. (2006): "Severe liver injury after initiating therapy with atomoxetine in two children". *J. Pediatr.* 148 (6): 831–834.

Lok, A.S.F.; McMahon, B.J. (2007): Chronic hepatitis B. *Hepatology.* 45(2): 507–539

Magnus, R. (1904): *Pflugers Arch. Ges. Physiol.* 102, 123. quoted from pharmacological experiments on Isolated preparations, 1970 by the staff of department of pharmacology, University of Edinburgh. Ess. Livingstone, Edinburgh, London

P. J. (2006): McKiernan P. ; Davies, D.; Kelly , K. ; Mahadevan
Paracetamol induced hepatotoxicity. *Arch Dis Child*; 91:598-603.

Mahendran, T.; Williams, A. P.; Philips, G. O.; Al- assaf S.; Baldwin, T. C. (2008):New Insights into the Structural Characteristics of the Arabinogalactan-Protein (AGP) Fraction of Gum Arabic. *J. Agric. Food Chem.* 56, 9269–9276

Maton, A.; Jean, H.; Charles, W.M.; Susan, J.; Maryanna Q.; Warner, D. L.; Jill, D. W. (1993): Human Biology and Health. Prentice Hall. 354(7):732–738.

Mohammad J. M. (2008): Evaluation of silibinin on the viability, migration and adhesion of the human prostate adenocarcinoma (PC-3) cell line . Human Biology and Health. 45 (9): 1364–1372.

Morazzoni, P. and Bombardelli, E. (1994): Silybum marianum (cardus marianus) Fitoterapia. 66:3-42.

Mosley, J.W.; Operskalski, E.A.; Tobler, L.H. (2005): Viral and host factors in early hepatitis C virus infection. Hepatology. 42:86-92.

Muriel, P.; Garciapi, T.; Perez-Alvarez, V.; Mourelle, M. (1992): Silymarin protects against paracetamol-induced lipid peroxidation and liver damage., J Appl Toxicol ,12(6): 439-442.

Muzes, G. (1991): Effect of the bioflavonoid silymarin on the in vitro activity and expression of super oxide dismutase (SOD) enzyme.; Acta Physiol Hungarica 78, 3-9.

Nasir, O.; Artunc, F.; Saeed, A.; Kambal, M.A.; Kalbacher, H.; Sandulache, D.; Boini, K.M.; Jahovic, N.; Lang, F.(2008):Effects of gum arabic (Acacia senegal) on water and electrolyte balance in healthy mice. J. Ren. Nutr. 18(2):230-238.

Navarro, V. J.; Senior, J.R.; Capparelli, E.V. (2006) : Drug-related hepatotoxicity. *N Engl J Med.*354(7):731–739.

Nishi, K.K.; Antony, M.; Mohanan, P.V.; Anilkumar, T.V.; Loiseau P.M.; Jayakrishnan, A.(2007):Amphotericin B-gum arabic conjugates: synthesis, toxicity, bioavailability, and activities against *Leishmania* and fungi. *Pharm Res.* 24(5):971-980.

Orolin, J.;Vecera, D.r. R. ; Jung, D.; Meyer, U. A.; Skottova, N. ; Anzenbacher, P. (2007): Hypolipidemic effects of silymarin are not mediated by the peroxisome proliferator-activated receptor alpha *Xenobiotica.* 37(7): 725-735.

Ohtsuka, T.; Tsutsumi, M.; Fukumura, A.; Tsuchishima, M.; Takase, S. (2005): Use of serum carbohydrate-deficient transferrin values to exclude alcoholic hepatitis from non-alcoholic steatohepatitis: a pilot study. *Alcohol Clin Exp Res.* 29(12):236-239.

Pablo, M.; Tania G.; Victor P.; Marisabel M. (2006): Silymarin protects against paracetamol-induced lipid peroxidation and liver damage 48(7): 517–539.

Pagana, K.D. (2006). Mosby's Manual of Diagnostic and Laboratory Tests, 3rd ed. St. Louis: Mosby p34.

Pepping , J. (1999): Milk thistle: *Silybum marianum*. *Am J Health Syst Pharm;* 56: 1195-7

Phillips, G.O. (1998) Acacia gum (gum arabic): a nutritional fibre; metabolism and calorific value. *Food Addit Contam* 15:251–264

Phillips, G.O. and Williams, P.A. (2001): Tree exudate gums: natural and versatile food additives and ingredients. *Food Ingred. Anal.Int.* 23:26- 28.

Picton, L.; Bataille, I.; Muller, G. (2000) Analysis of a complex polysaccharide (gum arabic) by multi-angle laser light scattering coupled on-line to size exclusion chromatography and flow field flow fractionation. *Carbohydr Polym* 42:23–31

Poordad, F.F.; Tran, T.; Martin, P. (2003): Developments in hepatitis C therapy during 2000-2002. *Expert Opin Emerg Drugs.* 8(1):9-25.

Pradeep, K.; Mohan, C.V.; Gobianand, K.; Karthikeyan, S. (2007): Silymarin modulates the oxidant-antioxidant imbalance during diethylnitrosamine induced oxidative stress in rats. *Eur J Pharmacol*; 560:110–6.

Przyjemska, Z. M. and Wiktorowicz, K. (2006): An in vitro study of the protective effect of the flavonoid silydianin against reactive oxygen species. *Phytother Res.* 20:115–9.

Rainone, F. (2005). Milk thistle. *Am Fam Physician.* 72:1285–8.

Ray, A.K.; Bird, P.B.; Iacobucci, G.A. and Clark, B.C. (1999): Functionality of gum arabic. Fractionation, characterization and

evaluation of gum fractions in citrus oil emulsions and model beverages. *Food Hydrocolloids* 9:123–131

Rehman, K.; Wingertzhan, M.A.; Harper, R.G and Wapnir, S. (2003): proabsorptive action of gum Arabic: regulation of nitric oxide in basolateral potassium channel of small intestine J pediatric gastroenterol Nutr 35:529-33.

Reitman, S. and Frankel, S.A. (1957) : Colorimetric method for the determination of serum glutamic oxalacetic and glutamic pyruvic transaminases . *American Journal of Clinical Pathology* . 28:56- 63.

Robin, M.; Walker, D.; William, J.; Racz, T. and Francis, M. (2005): Acetaminophen-Induced hepatotoxic congestion in mice. *Hepatology*, 5 (2): 233 – 240.

Rodríguez, G. L. and Díaz, H. S. (2000): "The risk of upper gastrointestinal complications associated with nonsteroidal anti-inflammatory drugs, glucocorticoids, acetaminophen, and combinations of these agents". *Arthritis Research and Therapy*. 3: 98-102.

Rosalki, S.B. and McIntyre, N. (1999): Biochemical investigations in the management of liver disease. *Oxford textbook of clinical hepatology*, 2nd ed. New York; Oxford university press. 503-521.

Russell, F.M.; Shann, F.; Curtis, N. and Mulholland, K. (2003): Evidence on the use of paracetamol in febrile children Comment in: *Bull World Health Organ*. 81(5):367-72.

Ryder, S. and Beckingham, I. (2001). "ABC of diseases of liver, pancreas, and biliary system: Acute hepatitis". *BMJ*. 322 :151–153.

Sander, I.; Raulf-Heimsoth, M.; Wiemer, K.; Kespohl, S.; Brüning, T. and Merget, R.(2006):Sensitization due to gum arabic (Acacia senegal): the cause of occupational allergic asthma or crossreaction to carbohydrates?.*Int. Arch .Allergy .Immunol.* 141(1):51-6.

Schemer, R. (1967):The blood morphology of laboratory, 3rd ed., Davis F.A. Company, Philadelphia. P.43.

Schuppan, D. and Afdhal, N.H. (2008): Liver cirrhosis. *Lancet*. 371:838-851.

Seeto, R.K.; Fenn, B. and Rockey, B. (2000): DC. Ischemic hepatitis: clinical presentation and pathogenesis. *Am J Med*. 109:109.

Severit, T.; Ying, C. and Vermeesch, J.R. (2006): Hepatitis B virus replication causes oxidative stress in HepAD38 liver cells. *Mol Cell Biochem*. 290:79–85.

Sherlock, S. and Dooley, J. (2002): Diseases of the liver and biliary system, 11th ed. Oxford, UK ; Malden, MA : Blackwell Science. P57.

Sherwood, A. and Lauralee, L. H. (1997) : Human Physiology: From Cells to Systems. Boston. Wadsworth. 5(3):607-632.

Shigeo, O.; Hiroya, Y.; Sumio, T. and Keiji, M. (1989) A method of manufacturing jelly products having fibrous texture. European Patent application 10:334- 466.

Siddig, N. E.; Osman, M. E.; Assaf, S. A.; Phillips, G. O. and Williams, P. A.(2005): Food Hydrocolloids. J. Agric. Food Chem. 19, 687–702.

Singh, R.P and Agarwal, R.(2002): Flavonoid antioxidant silymarin and skin cancer, Antioxid Redox Signal. 4(4):655-63.

Smellie, W.S. and Ryder, S.D. (2006) : Biochemical "liver function tests". BMJ Clinical research . 333(7566):481-3.

Souza, M. F.; Rao, V. S. and Silveira, E. R. (1998): Prevention of acetaminophen-induced hepatotoxicity by ternatin, a bioflavonoid from *Egletes viscosa* ., Phytotherapy Research 12 (8) 557 – 561.

Srivastava, S.; Srivastava, A.K.; Srivastava, S.; Patnaik, G.K. and Dhawan, B.N. (1994): Effect of picroliv and silymarin on liver regeneration in rats. Indian J Pharmacol; 26 :19-22.

Surh, Y.J.; Chun, K.S.; Cha, H.H.; Han, S.S.; Keum, Y.S.; Park K.K. and Lee, S.S. (2001):Molecular mechanisms underlying chemopreventive activities of anti-inflammatory phytochemicals:

down-regulation of COX-2 and iNOS through suppression of NF-kappa B activation. *Mutat. Res.* 480–481: 243–268.

Svagera, Z.; Skottova, N. and Vana, P.(2003) : Plasma lipoproteins in transport of silibinin, an antioxidant flavonolignan from *Silybum marianum*. *Phytotherapy Research* . 7(5):524-530.

Tepper, M.I. and Gully, P.R.(1997): Viral hepatitis: know your D, E, F and Gs. *CMAJ.* 156(12):1735-8.

Tetri, B.A.; Brunt, E.M.; Janney ,C.G.; Bisceglie, A.M.; Neuschwander , S. and Bacon , B. R. (2008): Diagnosis of nonalcoholic fatty liver disease. *Am. J. Med.* 28:386-95.

Tiss, A.; Carriere, F. and Verger, R. (2001): Effects of gum arabic on lipase interfacial binding and activity. *Anal Biochem* 294:36–43.

Tyagi, A.; Agarwal, C.; Harrison, G.; Glode, L.M. and Agarwal, R. (2004): Silibinin causes cell cycle arrest and apoptosis in human bladder transitional cell carcinoma cells by regulating CDKI-CDK-cyclin cascade, and caspase 3 and PARP cleavages. *Carcinogenesis*; 25(9):1711-1720.

Tzanakakis , T. (2002): "Liver, a Vital Organ." *The Liver Disorders Sourcebook*; 18(4):816-22.

Van Ness, M.M. and Mae, D. A. (1989): Is liver biopsy useful in the evaluation of patients with chronically elevated liver enzymes? *Ann Intern Med*; 111: 473-4

Verbeken,D.S. and Dierckx, K. and Dewettinck, H. (2003): Exudate gums: occurrence, production, and applications. *Appl. Microbiol. Biotechnol* 63:10–21.

Villar, D.; Buck, W.B. and, Gonzalez, J.M. (1998): "Ibuprofen, aspirin and acetaminophen toxicosis and treatment in dogs and cats". *Vet Hum Toxicol* 40 (3): 156–162.

Waszczykowska, E.; Blaszczyk, J.; Sysa-Jedrzejowska, A. and Robak, E. (1997):Correlation between serum malonyl dialdehyde concentration and disease activity in patients with systemic lupus erythematosus. *Med. Sci. Monit.* 3(6): 831-834.

Wasley, A.; Grytdal, S. and Gallagher, K. (2008): Surveillance for acute viral hepatitis in United States . *MMWR Surveill Summ.* Mar 21; 57(2):1-24.

Whistler, R.L. (1993): Exudate gums. *Industrial gums: polysaccharides and their derivatives.* Academic Press, San Diego. 318–337

Wilasrusmee, S. C.; Kittur, D. S.; Shah, G.; Siddiqui, J.; Bruch, D. (2002): Immunostimulatory effect of *Silybum Marianum* (milk thistle) extract. *Medical and Science Monitor.* 8(11): 439-443.

Williams, P.A. and Phillips G.O. (2000) Gum arabic. In: Phillips GO, Williams PA (eds) Handbook of hydrocolloids. Woodhead, Cambridge, 155–168.

Wingertzahn, M.A.; Teichberg, S. and Wapnir, R.A. (2001): Stimulation of non-sodium-dependent water, electrolyte, and glucose transport in rat small intestine by gum arabic. Dig Dis Sci. 46(5):1105-12.

Wuttke, D.; Becker, T.; Christoffel, V.; Jarry, H.; Wuttke, W. (2003): Milk Thistle. Org .Biomol. Chem. 137(3):201-12.

Zechner, R.; Strauss, J.G.; Haemmerle, G.; Lass, A.; Zimmermann, R. (2005): Lipolysis: pathway under construction. Curr. Opin. Lipidol. 16, 333-340.

Zhou, S.; Lim, L.Y.; Chowbay, B. (2004): "Herbal modulation of P-glycoprotein." Drug Metabolism Reviews. 36(1):57-104.