



## REFERENCES

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- [1] Hara, Y. (2001). Green tea Health Benefits and Applications(2). New York: Marcel Dekker.
- [2] Wang, H., et al. (2000). Tea flavonoids: their functions, utilisation and analysis. Trends in Food Science & Technology, 11 (5), 152-160.
- [3] Farhoosh, R., et al. (2007). Antioxidant activity of various extracts of old tea leaves and black tea wastes (*Camellia sinensis* L.). Food Chemistry, 100 (1), 231-236.
- [4] Atoui, A. K., et al. (2005). Tea and herbal infusions: Their antioxidant activity and phenolic profile. Food Chemistry, 89 (1), 27-36.
- [5] Rice-Evans, C.&Halliwell, B. (1995). Free Radicals and Oxidative Stress: Environment, Drugs and Food Additives. In C. Rice-Evans, Plant polyphenols: free radical scavenger or chain-breaking antioxidants?(103). London: Portland Press.
- [6] Gupta, S., et al. (2002). Comparative antimutagenic and anticlastogenic effects of green tea and black tea: a review. Mutation Research/Reviews in Mutation Research, 512 (1), 37-65.
- [7] Hsu, S. (2005). Green tea and the skin. Journal of the American Academy of Dermatology, 52 (6), 1049-1059.
- [8] Kuroda, Y.&Hara, Y. (1999). Antimutagenic and anticarcinogenic activity of tea polyphenols. Mutation Research/Reviews in Mutation Research, 436 (1), 69-97.
- [9] Zaveri, N. T. (2006). Green tea and its polyphenolic catechins: Medicinal uses in cancer and noncancer applications. Life Sciences, 78 (18), 2073-2080.
- [10] Mochizuki, M., et al. (2002). Kinetic analysis and mechanistic aspects of autoxidation of catechins. Biochimica et Biophysica Acta (BBA) – General Subjects, 1569 (3), 35-44.

- [11] Lun Su, Y., et al. (2003). Stability of tea theaflavins and catechins. Food Chemistry, 83 (2), 189-195.
- [12] Proniuk, S., et al. (2002). Preformulation study of epigallocatechin gallate, a promising antioxidant for topical skin cancer prevention. J Pharm Sci, 91 (1), 111-116.
- [13] Proniuk, S.&Blanchard, J. (2002). Anhydrous Carbopol polymer gels for the topical delivery of oxygen/water sensitive compounds. Pharm Dev Technol, 7 (2), 249-255.
- [14] Jaeghere, F. D. (1999). Microencapsulation. In E. Mathiowitz, Encyclopedia of Controlled Drug Delivery. New York: John Wiley & Sons.
- [15] Grieve, M. (April 23,1997). Tea. Retrieved on January 10,2004 from: <http://www.botanical.com/botanical/mgmh/t/tea---08.html>
- [16] Smith, L. (November 12,1996). Preparing Green Tea, White Tea, Black Tea and Oolong Tea, Herbal and Chai Tea. Retrieved on December 12,2006. from: <http://www.planet-tea.com/preparation.html>
- [17] Vayalil, P. K., et al. (2003). Treatment of green tea polyphenols in hydrophilic cream prevents UVB-induced oxidation of lipids and proteins, depletion of antioxidant enzymes and phosphorylation of MAPK proteins in SKH-1 hairless mouse skin. Carcinogenesis, 24 (5), 927-936.
- [18] Coimbra, S., et al. (2001). The effect of green tea in oxidative stress. Clinical Nutrition, In Press, Corrected Proof 49-56.
- [19] Majchrzak, D., et al. (2004). The effect of ascorbic acid on total antioxidant activity of black and green teas. Food Chemistry, 88 (3), 447-451.
- [20] Song, J.-M., et al. (2005). Antiviral effect of catechins in green tea on influenza virus. Antiviral Research, 68 (4),66-74.
- [21] Vinson, J. A.&Dabbagh, Y. A. (1998). Tea phenols: Antioxidant effectiveness of teas, tea components, tea fractions and their binding with lipoproteins. Nutrition Research, 18 (6), 1067-1075.

- [22] Isbrucker, R. A., et al. (2006). Safety studies on epigallocatechin gallate (EGCG) preparations. Part 2: Dermal, acute and short-term toxicity studies. Food and Chemical Toxicology, 44 (5), 636-650.
- [23] Isbrucker, R. A., et al. (2006). Safety studies on epigallocatechin gallate (EGCG) preparations. Part 3: Teratogenicity and reproductive toxicity studies in rats. Food and Chemical Toxicology, 44 (5), 636-650.
- [24] Gramza, A. & Korczak, J. (2005). Tea constituents (*Camellia sinensis* L.) as antioxidants in lipid systems. Trends in Food Science & Technology, 16 (3), 351-358.
- [25] Perva-Uzunalic, A., et al. (2006). Extraction of active ingredients from green tea (*Camellia sinensis*): Extraction efficiency of major catechins and caffeine. Food Chemistry, 96 (4), 597-605.
- [26] Labbe, D., et al. (2006). Effect of brewing temperature and duration on green tea catechin solubilization: Basis for production of EGC and EGCG-enriched fractions. Separation and Purification Technology, 49 (1), 1-9.
- [27] Yoshida, Y., et al. (1999). Efficiency of the extraction of catechins from green tea. Food Chemistry, 67 (4), 429-433.
- [28] Dvorakova, K., et al. (1999). Pharmacokinetics of the green tea derivative, EGCG, by the topical route of administration in mouse and human skin. Cancer Chemother Pharmacol, 43 (4), 331-335.
- [29] Zhou, Q., et al. (2003). Investigating the Stability of EGCg in Aqueous Media. Current Separations, 20 (3), 83-86.
- [30] Kurita, K. (2001). Controlled functionalization of the polysaccharide chitin. Progress in Polymer Science, 26 (2), 1921-1971.
- [31] Merwe, S. M. v. d., et al. (2004). Trimethylated chitosan as polymeric absorption enhancer for improved peroral delivery of peptide drugs. European Journal of Pharmaceutics and Biopharmaceutics, 58 (1), 225-235.

- [32] Hejazi, R.&Amiji, M. (2002). Stomach-specific anti-H. pylori therapy. I: preparation and characterization of tetracycline-loaded chitosan microspheres. International Journal of Pharmaceutics, 235 (1), 87–94.
- [33] Pan, Y., et al. (2002). Bioadhesive polysaccharide in protein delivery system: chitosan nanoparticles improve the intestinal absorption of insulin in vivo. International Journal of Pharmaceutics, 249 (1), 139-147.
- [34] Gupta, K. C.&Jabrail, F. H. (2006). Effect of degree of deacetylation and cross linking on physical characteristics, swelling and release behavior of chitosan microsphere. Carbohydrate Polymers, 123 (3), 1-12.
- [35] Kumar, M. N. V. R. (2000). A review of chitin and chitosan applications. Reactive and Functional Polymers, 46 (2), 1-27.
- [36] Agnihotri, S. A., et al. (2004). Recent advances on chitosan-based micro- and nanoparticles in drug delivery. Journal of Controlled Release, 100 (1), 5-28.
- [37] Dini, E., et al. (2003). Synthesis and characterization of cross-linked chitosan microspheres for drug delivery applications. Journal of microencapsulation, 20 (3), 375–385.
- [38] Anal, A. K., et al. (2006). Ionotropic cross-linked chitosan microspheres for controlled release of ampicillin. International Journal of Pharmaceutics, 312 (2), 166-173.
- [39] Popa, M.-I., et al. (2000). Study of the interactions between polyphenolic compounds and chitosan. Reactive and Functional Polymers, 45 (1), 35-43.
- [40] Shu, X. Z.&Zhu, K. J. (2002). Controlled drug release properties of ionically cross linked chitosan beads: the influence of anion structure. International Journal of Pharmaceutics, 233 (2), 217-225.
- [41] Agnihotri, S. A.&Aminabhavi, T. M. (2004). Controlled release of clozapine through chitosan microparticles prepared by a novel method. Journal of Controlled Release, 96 (3), 245-259.

- [42] Sinha, V. R., et al. (2004). Chitosan microsphere as a potential carrier for drugs. International Journal of Pharmaceutics, 274 (1), 1-33.
- [43] Kosaraju, S. L., et al. (2006). Preparation and characterisation of chitosan microspheres for antioxidant delivery. Carbohydrate Polymers, 64 (2), 163-167.
- [44] Maia, A. M., et al. (2006). Validation of HPLC stability-indicating method for Vitamin C in semisolid pharmaceutical/cosmetic preparations with glutathione and sodium metabisulfite, as antioxidants. Talanta, 143 (3), 1-5.
- [45] Ganzera, M., et al. (2004). Separation of the major triterpenoid saponins in *Bacopa monnieri* by high-performance liquid chromatography. Analytica Chimica Acta, 516 (2), 149-154.
- [46] Lim, S. T., et al. (2000). Preparation and evaluation of the in vitro drug release properties and mucoadhesion of novel microspheres of hyaluronic acid and chitosan. Journal of Controlled Release, 66 (3), 281-292.
- [47] El-Hameed, M. D. A. & Kellaway, I. W. (1997). Preparation and in vitro characterisation of mucoadhesive polymeric microspheres as intra-nasal delivery systems. European Journal of Pharmaceutics and Biopharmaceutics, 44 (1), 53-60.
- [48] Boonsongrit, Y., et al. (2006). Chitosan drug binding by ionic interaction. European Journal of Pharmaceutics and Biopharmaceutics, 62 (1), 267-274.
- [49] Rawiwan, P. (2004). Development of Cosmetic Cream Containing Mulberry Extract. Master thesis, Naresuan University, Phitsanulok.
- [50] Nwuha, V. (2000). Novel studies on membrane extraction of bioactive components of green tea in organic solvents: part I. Journal of Food Engineering, 44 (4), 233-238.
- [51] Wang, H., et al. (2000). Isocratic elution system for the determination of catechins, caffeine and gallic acid in green tea using HPLC. Food Chemistry, 68 (1), 115-121.

- [52] Song, M., et al. (2005). Effect of Viscosity and Concentration of Wall Former, Emulsifier and Pore-Inducer on the Properties of Amoxicillin Microcapsules Prepared by Emulsion Solvent Evaporation. Il Farmaco, 60 (2), 261-267.
- [53] Freiberg, S.&Zhu, X. X. (2004). Polymer microsphere for controlled drug release. International Journal of Pharmaceutics, 282 (1), 1-18.
- [54] O'Donnell, P. B.&McGinity, J. W. (1997). Preparation of microspheres by the solvent evaporation technique. Advanced Drug Delivery Reviews, 28 (1), 25-42.
- [55] Yang, Y.-Y., et al. (2000). Effect of preparation conditions on morphology and release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion method. Chemical Engineering Science, 55 (4), 2223-2236.
- [56] Susanne Wieland-Berghausen, U. S., Michaela Frey, Friederike Schmidt (2002). Comparison of microencapsulation techniques for the water-soluble drugs nitenpyram and clomipramine HCl. Journal of Controlled Release, 85 (1), 35-43.
- [57] Chen, Z.-Y., et al. (2001). Degradation of Green Tea Catechins in Tea Drinks. Journal of Agricultural and Food Chemistry, 49 (2), 477-482.
- [58] Zhu, Q. Y., et al. (1997). Stability of Green Tea Catechins. Journal of Agricultural and Food Chemistry, 45 (1), 4624-4628.
- [59] Kim, E. S., et al. (2006). Impact of heating on chemical compositions of green tea liquor. Food Chemistry, 45 (2), 1-5.
- [60] Wang, H.&Helliwell, K. (2000). Epimerisation of catechins in green tea infusions. Food Chemistry, 70 (3), 337-344.