

CHAPTER 7

REFERENCES

- Adedapo, A. A., Jimoh, F. O., Afolayan, A. J. & Masika, P. J. (2008). Antioxidant Activities and Phenolic Contents of the Methanol Extracts of the Stems of Acokanthera Oppositifolia and Adenia Gummifera. *BMC Complementary and Alternative Medicine*, 8, 54.
- Ali, S. A., Abdulraheem, O. R., Alemika, T. E., Sule, I. M., Ilyas, M., Haruna, A. K., Egwu, C. C. & Sikira, A. S. (2011). Phytochemical Screening and Identification of Compounds in the Leaves of Callitris Glauca (Cupressaceae). *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 2, 624-635.
- Annie, S., Rajendran, K. & Punitha, I. S. R. (2005). Antidiabetic Activity of Alcoholic Stem Extract of Coscinium Fenestratum in Streptozotocin Nicotinamide Induced Type 2 Diabetic Rats. *Journal of Ethnopharmacology*, 97, 369-374.
- Antignac, J. P., De Wasch, K., Monteau, F., De Brabander, H., Andre, F. & Le Bizec, B. (2005). The Ion Suppression Phenomenon in Liquid Chromatography-Mass Spectrometry and Its Consequences in the Field of Residue Analysis. *Journal of Analysis Chemistry*, 529, 129-136.
- Barik, R., Jain, S., Qwatra, D., Joshi, A., Tripathi, G. S. & Goyal, R. (2008). Antidiabetic Activity of Aqueous Root Extract of Ichnocarpus Frutescens in

Streptozotocin-Nicotinamide Induced Type II Diabetes in Rats. *Indian Journal of Pharmacology*, 40, 19-22.

Brickell, C. & Zuk, J. D. 1997. The American Horticultural Society a-Z Encyclopedia of Garden Plants. DK Publishing: Inc., NY.

Büyükbalci, A. & Nehir, E. L. S. (2008). Determination of in Vitro Antidiabetic Effects, Antioxidant Activities and Phenol Contents of Some Herbal Teas. *Plant Foods Human Nutrition*, 63, 27-33.

Byron, F. B. S. & Johnson, E. A. (2003). Sensitization of Staphylococcus Aureus and Escherichia Coli to Antibiotics by the Sesquiterpenoids Nerolidol, Farnesol, Bisabolol, and Apritone. *Antimicrobe Agents Chemotherapy*, 47, 3357-3360.

Campbell, N. A. & Reece, J. B. 2004. Biology. 7nd edn. ed. United State of America: Pearson Benjamin Cummings.

Cech, N. & Enke, C. (2001). Practical Implications of Some Recent Studies in Electrospray Ionization Fundamentals. *Mass Spectrum Review*, 20.

Chen, L., Li, H., Liu, J., Zhang, L., Liu, H. & Jiang, H. (2007). Discovering Benzamide Derivatives as Glycogen Phosphorylase Inhibitors and Their Binding Site at the Enzyme. *Journal of Bioorganic & medicinal Chemistry*, 15, 6763-6774.

Chen, Y., Guo, Z., Wang, X. & Qiu, C. (2008). Sample Preparation. *Journal Chromatogram Analysis*, 1184, 191-219.

- Cheng, S. S., Huang, C. G., Che, Y. J., Yu, J. J., Chen, W. J. & Chang, S. T. (2009). Chemical Compositions and Larvicidal Activities of the Leaf Essential Oils from Two Eucalyptus Species. *Journal of Bioresource Technology*, 100, 452-456.
- Chitra, V., Varma Pvenkata, K. R. C. H., Krishna Raju, M. V. R. & Jeya Prakash, K. (2010). Study of Antidiabetic and Free Radical Scavenging Activity of the Seed Extract of *Strychnos Nuxvomica*. *International Journal of Pharmacy and Pharmaceutical Sciences*, 2.
- Cornwell, P. A. & Barry, B. W. (1994). Sesquiterpene Components of Volatile Oils as Skin Penetration Enhancers for the Hydrophilic Permeant 5-Fluorouracil. *Journal Pharmacy Pharmacology*, 46, 261-269.
- Dams, R., Huestis, M., Lambert, W. & Murphy, C. (2003). Matrix Effect in Bio-analysis of Illicit Drugs with Lc-Ms/Ms: Influence of Ionization Type, Sample Preparation, and Biofluid. *Journal American Social Mass Spectrom*, 14, 1290-1294.
- David Moller, E. (2001). Review Article New Drug Targets for Type 2 Diabetes and the Metabolic Syndrome. *Nature*, 414, 821-827
- Davis, M. D. (1992). Diabetic Retinopathy. A Clinical Overview. *Journal of Diabetes Care*, 15, 1844-1874.

Eastman, R. C., Sievert, C. W., Haris, M. & Gordon, P. (1993). Implication of the Diabetes Control and Complication Trials. *Journal Clinical Endocrinology Metabolism*, 77, 614-615.

Eddouks, M., Maghrani, M., Lemhadri, A., Ouahidi, M. L. & Jouad, H. (2002). Ethnopharmacological Survey of Medicinal Plants Used for the Treatment of Diabetes Mellitus, Hypertension and Cardiac Diseases in the South-East Region of Morocco (Tafilalet). *Journal Ethnopharmacology*, 82, 97-103.

Esmaeili, M. A. & Yazdanparast, R. (2004). Hypoglycaemic Effect of Teucrium Polium: Studies with Rat Pancreatic Islets. . *Journal Ethnopharmacology*, 95, 27-30.

Fang, N. E. & Nuttal, F. Q. (1997). The Effect of Caffeine and Caffeine Analogs on Rat Liver Phosphorylase a Activity. *The Journal Of Pharmacology And Experimental Therapeutics*, 280, 1312-1318.

Fernandes, A. A. H., Novelli, E. L. B., Junior, A. F. & Galhardi, C. M. (2009). Effect of Naringerin on Biochemical Parameters in the Streptozotocin-Induced Diabetic Rats. *International Journal Brazilian Archives of Biology and Technology*, 52, 51-59.

Fontanals, N., Marcé, R. & Borrull, F. (2005). New Hydrophilic Materials for Solid-Phase Extraction. . *Trends Analysis Chemical*, 24, 394-406.

Gholap, S. & Kar, A. (2004). Hypoglycaemic Effects of Some Plant Extracts Are Possibly Mediated through Inhibition in Corticosteroid Concentration. *Pharmacy journal*, 59, 876-878.

Gorich, J. E., Charles, M. A. & Grodsky, G. M. (1976). Regulation of Pancreatic Insulin and Glucagon Secretion. *Journal of American Review Physiology*, 38, 353.

Grover, J. K., Yadav, S. & Vats, V. (2002). Medicinal Plants of India with Anti-Diabetic Potential. *Journal Ethnopharmacology*, 81, 81-100.

Harborne, J. B. (1973). *Phytochemical Methods*.

Hashim, O. 2000. Metabolisma Tubuh Manusia. Kuala Lumpur: Jabatan Penerbitan Universiti Malaya.

Herman, W. H. (1990). Eye Disease and Nephropathy in Niddm. *Diabetes Care*, 13, 24-29.

Hideaki, K., Taka-Aki, M., Yoshihisa, N., Dan, K., Munehide, M. & Yoshimitsu, Y. (2005). Oxidative Stress and the Jnk Pathway in Diabetes. *Current Diabetes Review*, 1, 65-72.

Irish, J., Blair, S. & Carter, D. A. (2011). The Antibacterial Activity of Honey Derived from Australian Flora. *PLoS ONE*, 6, e18229.

Jessome, L. & Volmer, D. (2006). Ion Suppression: A Major Concern in Mass Spectrometry. *LCGC North America*, 24, 498-510.

Kataoka, H. (2003). New Trends in Sample Preparation for Clinical and Pharmaceutical Analysis. *Trends Analysis Chemical*, 22, 232-244.

Kavishankar, G. B., Lakshmidevi, N., Mahadeva Murthy, S., Prakash, H. S. & Niranjana, S. R. (2011). Diabetes and Medicinal Plants-a Review. *Institute Journal Pharmacology Biomedical Science*, 2, 65-80.

Kebarle, P. (2000). A Brief Overview of the Present Status of the Mechanisms Involved in Electrospray Mass Spectrometry. *Journal Mass Spectrom*, 35 804-817.

Kim, M. J., Ryu, G. R., Chung, J. S., Sim, S. S., Min, D. S., Rhie, D. J., Yoon, S. H., Hahn, S. J., Kim, M. S. & Jo, Y. H. (2003). Protective Effects of Epicatechin against the Toxic Effects of Streptozocin on Rat Pancreatic Islets:In Vivo and in Vitro. *Journal of Pancrease*, 26, 292-299.

Korfmacher, W. (2005). Principles and Applications of Lc-Ms in New Drug Discovery. *Journal of Drug Discovery Today*, 10.

Krishnan, S. H. (1968). A Preliminary Communication of the Action of Aegle Marmelos (Bael) on Heart. *Indian Journal Medicine*, 56, 327-331.

Leinonen, A., Kuuranne, T. & Kostiainen, R. (2002). Liquid Chromatography/Mass Spectrometry in Anabolic Steroid Analysis-Optimization and Comparison of

Three Ionization Techniques: Electrospray Ionization, Atmospheric Pressure Chemical Ionization and Atmospheric Pressure Photoionization. *Journal of Mass Spectrom*, 37, 693-698.

Li, W. L., Zheng, H. C., Bukuru, J. & De Kimpe, N. (2004). Natural Medicines Used in the Traditional Chinese Medical System for Therapy of Diabetes Mellitus. *Journal of Ethnopharmacology*, 92 1-21.

Liang, H., Foltz, F., Meng, M. & Bennet, P. (2003). Ionization Enhancement in Atmospheric Pressure Chemical Ionization and Suppression in Electrospray Ionization between Target Drugs and Stable-Isotopelabeled Internal Standards in Quantitative Liquid Chromatography/Tandem Mass Spectrometry. *Journal of Rapid Commun Mass Spectrometer*, 17, 2815-2821.

Lima, L. A., Siani, A. C., Brito, F. A., Sampaio, A. L. F., Henriques, M. G. M. O. & Riehl, C. A. S. (2007). Correlation of Anti-Inflammatory Activity with Phenolic Content in the Leaves of *Syzygium Cumini* (L.) Skeels (Myrtaceae). *Quim.Nova.*, 30, 860-864.

Luseba, D., Letsoalo, M. E. & Katerere, D. (2011). A Comparative Study of Antibacterial Activities of Wild and Cultivated Plants Used in Ethnoveterinary Medicine. *African Journal of Biotechnology*, 10, 7058-7062.

Manach, C., Scalbert, A. & Morand, C. (2004). Polyphenols: Food Sources and Bioavailability . *American Journal Clinical Nutrition*, 79, 727-747.

Marles, R. J. & Farnsworth, N. (1996). Antidiabetic Plants and Their Active Constituents: An Update. *Journal Botanical Medicine*, 1, 85-135.

Martin, W. H., Hoover, D. J., Armento, S. J., Stock, I. A., Mc Pherson, R. K., Danley, D. E., Stevenson, R. W., Barrett, E. J. & Treadway, J. L. (1998). Discovery of a Human Liver Glycogen Phosphorylase Inhibitor That Lowers Blood Glucose in Vivo. *Procedure National Academic Science U S A*, 95, 1776 -1781.

Meyers, K. J., Watkins, C. B., Pritts, M. P. & Liu, R. H. (2003). Antioxidant and Antiproliferative Activities of Strawberries. *Journal Agriculture Food Chemistry.*, 51, 6887-6892.

Miura, T., Itoh, C., Iwamoto, N., Aato, M., Kawai, M., Park, S. R. & Suzuki, I. (2001). Hypoglycemic Activity of the Fruit of the Momordica Charantia in Type 2 Diabetic Mice. *Journal Nutrition Science Vitaminology*, 47, 340-4.

Mohamed, B., Abderrahim, Z., Hassane, M., Abdelhafid, T. & Abdelkhaleq, L. (2006). Medicinal Plants with Potential Antidiabetic Activity - a Review of Ten Years of Herbal Medicine Research. *Journal Diabetes Metabolism*, 14, 1-25.

Mukhtar, H. M., Ansari, S. H. & Bhat, Z. A. (2004). Hypoglycemic Activity of Psidium Gujava Linn. Leaf Extract. *Journal of Natural Remedies*, 4, 186-189.

Mustafa, K., Kjaergaard, H. G., Perry, N. B. & Weavers, R. T. (2003). Hydrogen-Bonded Rotamers of 2',4',6'-Trihydroxy-3'-Formyldihydrochalcone, an

Intermediate in the Synthesis of a Dihydrochalcone from Leptospermone Recurvum. *Journal of Tetrahedron*, 59, 6113-6120.

Neeli, G. S., Girase, G. S., Kute, S. H. & Shaikh, M. I. (2007). Antidiabetic Activity of Herb of Cynodon Dactylon Linn. In Alloxan Induced Diabetic Rats and in Euglycemic Rats. *Journal of Indian Drugs*, 44, 602-605.

Niessen, W., Manini, P. & Andreoli, R. (2006). Matrix Effects in Quantitative Pesticide Analysis Using Liquid Chromatography-Mass Spectrometry. *Journal of Mass Spectrum Review*, 25, 881-899.

Nováková, L. & Vlčková, H. (2009). A Review of Current Trends and Advances in Modern Bio-Analytical Methods: Chromatography and Sample Preparation. *Journal of Analysis Chemistry*, 656, 8-35

O'mathuna, D. & Larimore, W. (2006). Traditional Medicines for Modern Times:Antidiabetic Plants.

Oikonomakos, N. G., Skamnaki, V. T., Tsitsanou, K. E., Schnier, Govalas, N. G. & Johnson, L. N. (2000). A New Allosteric Site in Glycogen Phosphorylase B as a Target for Drug Interactions. *Research Article*, 8, 575-584.

Olaleye, M. T. (2007). Cytotoxicity and Antibacterial; Activity of Methanolic Extract of Hibiscus Sabdariffa. *Journal of Medicinal Plants Research*, 009-013.

Olefsky, J. M. 1989. Pathogenesis of Non-Insulin Dependent (Type II) Diabetes. In: Degroot, L.J., Besser, M., Burger, H.G., Jameson, J.L. (ed.) *Endocrinology*. 2nd edn. ed. Philadelphia: WB Sanders Co.

Perez, R. M., Zavala, M. A., Perez, G. S. & Perez, G. C., . (1998). Antidiabetic Effect of Compounds Isolated from Plants. *Journal of Phytomedicine*, 5, 55 -75.

Pfeifer, M. A., Halter, J. B. & Porter, J. R. (1989). Insulin Secretion in Diabetes Mellitus *American Journal Medicine*, 70.

Pulok, K. M., Kuntal, M., Kakali, M. & Peter, J. H. (2006). Leads from Indian Medicinal Plants with Hypoglycemic Potentials. *Journal Ethnopharmacology*, 106, 1-28.

Rath, V. L., Ammirati, M., Danley, D. E., Ekstrom, J. L., Gibbs, E. M., Hynes, T. R., Mathiowetz, A. M., Mcpherson, R. K., Olson, T. V., Treadway, J. L. & Hoover, D. J. (2000). Human Liver Glycogen Phosphorylase Inhibitors Bind at a New Allosteric Site. *Journal of Chemistry & Biology*, 7, 677-682.

Riley, M. 1994. Maori Healing and Herbal. *Viking Seavenseas: Paraparaumu*. New Zealand.

Ross, M. S. F. & Brain, K. R. (1977). *An Introduction to Phytopharmacy*., Pitman Medical Publishing.

Sepha, G. S. & Bose, S. N. (1956). Clinical Observations on the Antidiabetic Properties of *Eugenia Jambolina* and *Pterocarpus Marsupium*. *Journal Indian Medical*, 27, 388.

Shankar, M. B., Parikh, J. R., Geetha, M., Mehta, R. S. & Saluja, A. K. (2007). Antidiabetic Activity of Novel Androstane Derivatives from *Syzygium Cuminii* Linn. . *Journal of Natural Remedies* 7, 214-219.

Sharma, A. K. & Mujumdar, M. (1990). Some Observations on the Effect of *Clitoria Ternata* Linn. On Changes in Serum Sugar Level and Small Intestinal Mucosal Carbohydrate Activities in Alloxan Diabetes. *Calcutta Medical Journal*, 87, 168-171.

Shirwaikar, A., Rajendran, K. & Barik, R. (2006). Effect of Aqueous Bark Extract of *Garuga Pinnata Roxb.* In Streptozotocin-Nicotinamide Induced Type II Diabetes Mellitus. *Journal of Ethnopharmacology*, 107, 285-290.

Taiwo, I. A., Odeigah, P. G. C. & Ogunkanmi, L. A. (2009). The Glycaemic Effects of *Vernonia Amygdalina* and *V. Tenoreana* with Tolbutamide in Rats and the Implications for the Treatment of Diabetes Mellitus. *Journal Science Response Development*, 11, 122 - 130.

Tang, K., Page, J. & Smith, R. (2004). Charge Competition and the Linear Dynamic Range of Detection in Electrospray Ionization Mass Spectrometry. *Journal American Social Mass Spectrom*, 15, 1416-1423.

Tolonen, A., Turpeinen, M. & Pelkonen, O. (2009). Liquid Chromatography-Mass Spectrometry in in Vitro Drug Metabolite Screening. *Journal of Drug Discovery Today*, 14, 120-133.

Tsantili, E., Shin, Y., Nock, J. F. & Watkins, C. B. (2010). Antioxidant Concentrations During Chilling Injury Development in Peaches. . *Postharvest Biology Technology*, 57, 27-34.

Unger, R. H., Dobbs, R. E. & Orci, L. (1978). Insulin,Glucagon and Somatostatin Secretion in the Regulation of Metabolism. *Review Physiology*, 40, 307.

Venkatesh, S., Thilagavathi, J. & Sundar, D. (2008). Antidiabetic Activity of Flowers of Hibiscus Rosasinensis. *Fitotherapy*, 79, 79-81.

Williamson, L. & Bartlett, M. (2007). Quantitative Liquid Chromatography/Time-of-Flight Mass Spectrometry. *Biomedicine Chromatogram*, 21, 567-576.

Zhishen, J., Mengcheng, T. & Jianming, W. (1999). The Determination of Flavonoid Contents in Mulberry and Their Scavenging Effects on Superoxide Radicals. *Food Chemistry*, 64, 555-559.