

Chapter 8.

REFERENCES



8. REFERENCES

1. Solecki, R.S., Shanidar IV, A neanderthal flower burial of Northern Iraq. *Science* 1975, 190, 880.
2. Bensky, D., Gamble, A. *Chinese Herbal Medicine: Materia Medica*. Eastland Press, Seattle, 1993.
3. Bisset, N.G. (ed.). *Herbal Drugs and Phytopharmaceuticals*. CRC Press, Boca Raton, FL, 1994.
4. Farnsworth, N.R., Akerele, O., Bingel, A.S., Soejarto, D.D., Guo, Z. Medicinal plants in therapy. *World Health Organ.* 1985, 63, 965.
5. Mukherjee, P.W. *Quality Control of Herbal Drugs: An Approach to Evaluation of Botanicals*. Business Horizons Publishers, New Delhi, India, 2002.
6. Bodeker, C., Bodeker, G., Ong, C.K., Grundy, C.K., Burford, G., Shein, K. *WHO Global Atlas of Traditional, Complementary and Alternative Medicine*.
7. Cassileth, B.R. *The Alternative Medicine Handbook*. W.W. Norton and Co., New York, 1998.
8. Lans, C. Harper, T. Georges K., Bridgewater, E. Medicinal and ethnoveterinary remedies of hunters. *BMC Complement. Altern. Med.* 2001, 10, 1
9. Cragg, G.M., Newman, D.J. Medicinals for the millennia: the historical record. *Ann. NY Acad. Sci.* 2001, 953, 3.
10. *Charaka Samhita* (in English), Dash and Sharma, Chowkambha, Varanasi.
11. *Susrata Samhita*, English translation, Kunjalal Bhisagranta, 1963, Chowkambha, Varanasi.
12. *The International Pharmacopeia*, Vol. 4: *Test Methods and General Requirements. Quality Specifications for Pharmaceutical Substances, Excipients, and Dosage Forms*, 3rd edn. World Health Organization, Geneva, 1994.
13. Calixto, J. B. Efficacy, safety, quality control, marketing and regulatory guidelines for herbal medicines. (Phytotherapeutic agents). *Braz. J. Med. Biol. Res.* 2000, 33, 179.
14. Pal, S.K., Shukla, Y. Herbal medicine: current status and the future. *Asian J. Cancer Prev.* 2003, 4, 281.
15. WHO. *Guidelines on Good Agricultural and Collection Practices (GACP) for Medicinal Plants*. World Health Organization, Geneva, 2004.
16. WHO. *Guidelines for the Assessment of Herbal Medicines*. WHO Technical Report Series, No 863. World Health Organization, Geneva, 1996.

References

17. EMEA. *Guidelines on Quality of Herbal Medicinal Products/Traditional Medicinal Products*, EMEA/CVMP/81400 Review. European Agency for the Evaluation of Medicinal Products (EMA), London, 2005.
18. Watson, D.G. *Pharmaceutical Analysis*. Churchill Livingstone, Edinburgh, 1999.
19. WHO. *Quality Control Methods for Medicinal Plant Materials*. World Health Organization, Geneva, 1999.
20. WHO. *The International Pharmacopeia*, Vol. 1: *General Methods of Analysis*, 3rd edn. World Health Organization, Geneva, 1979.
21. WHO. *The International Pharmacopeia*, Vol. 2: *Quality Specifications*, 3rd edn. World Health Organization, Geneva, 1981.
22. WHO. *The Use of Essential Drugs*. Eighth report of the WHO Expert committee. World Health Organization, Geneva, 1990.
23. WHO. *Guidelines for the Appropriate Use of Herbal Medicines*. WHO Regional Publications, Western Pacific Series No3, WHO Regional office for the Western Pacific, Manila, 1998.
24. EMEA. *Guidelines on Quality of Herbal Medicinal Products/Traditional Medicinal Products*, EMEA/CVMP/81400 Review. European Agency for the Evaluation of Medicinal Products (EMA), London, 2005.
25. WHO. *Guidelines for the Assessment of Herbal Medicines*. WHO Technical Report Series, No 863. World Health Organization, Geneva, 1996.
26. Roberts, J.E., Tyler, V.E. *Tyler's Herbs of Choice. The Therapeutic Use of Phytomedicinals*. The Haworth Press, New York, 1997.
27. Blumenthal, M., Brusse, W.R., Goldberg, A., Gruenwald, J., Hall, T., Riggins, C. W., Rister, R.S. *The Complete German Commission E Monographs. Therapeutic Guide to Herbal Medicines*. The American Botanical Council, Austin, TX, 1998.
28. Bandaranayake, W. M. Quality Control, screening, toxicity, and regulations of Herbal drugs. In: *Modern Phytomedicine: Turning medicinal plants into drugs*. pp. 25-57, 2006.
29. Zhen, H.Z. Dong Z.J. , She Q. : *Modern study of traditional Chinese medicine*. Beijing: Xueyaan Publications; 1998: 3883-3942.
30. Rath, A., Srivastava, N., Khatoon, S., Rawat, A., TLC determination of Strychnine and brucine of Strychnous nux vomica in Ayurveda and Homeopathy Drugs. *Chromatographia*, 67 (7-8), 2008, 607-613.
31. AOAC. *Official Methods of Analysis of AOAC International*, 18th edn. AOAC International, Gaithersburg, MD, 2005.

References

32. EMEA. *Points to Consider on Good Agricultural and Collection Practice for Starting Materials of Herbal Origin*. EMEA/HMPWP/31/99 Review. European Agency for the Evaluation of Medicinal Products (EMA), London, 2002.
33. Sarmani, S. B., Abugassa, I., Hamzah, A., Yahya, M.D. Elemental analysis of herbal preparations for traditional medicines by neutron activation analysis with the k₀ standardization method. *Biol. Trace Elem. Res.*, 1999, 71–72, 365.
34. Boumans, P.W.J.M. *Inductively Coupled Plasma-emission Spectroscopy Part 1*. John Wiley & Sons, New York, 1999.
35. WHO. *The WHO Recommended Classification of Pesticides by Hazard and Guidelines to Classification 2000–2202* (WHO/PCS/01.5). International Programme on Chemical Safety, World Health Organization, Geneva, 2000.
36. Anonymous. *European Pharmacopoeia*, 3rd edn. Strasbourg Council of Europe, 1996.
37. Farber, J.M., Carter, A.O., Varughese, P.V., Ashton, F.E., Ewan, E.P. Feeding trials of *Listeria monocytogenes* with a non human primate model. *New Engl. J. Med.* 1990, 322, 338.
38. Anonymous. *Deutsches Arzneibuch 2000*. Deutscher Apotheker Verlag, Stuttgart, 2000.
39. Anonymous. *Monoopatischen Arzneibuch 2000*. Deutscher Apotheker Verlag, Stuttgart, 2000.
40. van Valkenburg, J.L.C.H., Bunyapraphatsara, N. (eds). *Plant Resources of South-East Asia 12 (2): Medicinal and Poisonous Plants 2*. Backhuys Publ., Leiden, 2001.
41. WHO. *The International Pharmacopoeia, Vol. 4: Tests Methods, and General Requirements*, 3rd edn. World Health Organization, Geneva, 1988.
42. IPCS. *Pyrrolizidine alkaloids, Health and Safety Guide*. Standards on Chemical Safety Health and Safety Guide No. 26. International Programme on Chemical Safety, Geneva, 1989.
43. Farnsworth, N.R., Bingel, A.S., in *New Natural Products and Plant Drugs with Pharmacological, Biological or Therapeutical Activity*. A.H. Wagner, P. Wolff (eds), Proceedings of the First International Congress on Medicinal Plant Research. Springer-Verlag, Berlin, Heidelberg, New York, 1977.
44. Mukherjee, P.W. *Quality Control of Herbal Drugs: An Approach to Evaluation of Botanicals*. Business Horizons Publishers, New Delhi, India, 2002.
45. Anonymous. *Evaluation of Certain Food Additives and Contaminants*. 41st Report of the Joint FAO/WHO Expert committee on Food Additives. Technical Report Series 837. World Health Organization, Geneva, 1993.

References

46. Ross, J.J.W., Pelders, M.G., De Smet, P.A.G.M. *Pharm. World Sci.* 1999, 21, 44.
47. Abt, A.B., Oh, J.Y., Huntington, R.A., Burkhart, K.K. *Arch. Intern. Med.* 1995, 155, 211.
48. Florido-Lopez, F., Gonzalez-delgado, P., Desanpedro, B.S., Perez-Miranda, C., De Saavedra, J.M.A., Marinpozo, J.F. *Int. Arch. Allergy Immun.* 1995, 108, 170.
49. D'Arcy, P.F. *Adverse Drug React. Toxicol. Rev.* 1993, 12, 147.
50. Pillans, P.I. *N. Z. Med. J.* 1995, 108, 469.
51. McRae, S. *Can. Med. Assoc. J.* 1996, 155, 293.
52. Marcus, D.M., Snodgrass, W.R. *Obstet. Gynecol.* 2005, 105, 1119.
53. Brinker, F. *An Introduction to the Toxicology of Common Botanical Medicines*. NCNM (National College of Naturopathic Medicine), Oregon, 1983. AMA. *AMA Handbook of Poisonous and Injurious Plants*. American Medical Association, Chicago, 1985.
54. Budzinski, J.W., Foster, B.C., Vandenhoeck, S., Arnason J.T. *Phytomedicine* 2000, 7, 273.
55. Tona, L., Kambu, K., Mesia, K., Cimanga, K., Apers, S., De Bruyne, T., Pieters, L., Totte, L., Vlietinck, A.J. *Phytomedicine*. 1999, 6, 59.
56. Gaedcke, F., Steinhoff, B. *Herbal Medicinal Products. Scientific and Regulatory Basis for Development, Quality Assurance and Marketing Authorisation*. CRC Press, Boca Raton, 2003.
57. Drew, A., Myers, S.P., *Med. J. Aust.* 1997, 166, 538.
58. Arvigo, R., Balick, M. *Rainforest Remedies: 100 Healing Herbs of Belize*. Lotus Press, Twin Lakes, WI, 1993.
59. Zeisel, S.H. *Science* 1999, 285, 1853.
60. Petrovick, P.R., Marques, L.C., Paula, I.C., *J. Ethnopharmacol.* 1999, 66, 51.
61. Mukherjee, P.K., Verpoorte R. (eds) *GMP for Botanicals: Regulatory and Quality Issues on Phytomedicines*. Business Horizons, New Delhi, 2003.
62. WHO. *Legal Status of Traditional Medicine and Complementary/Alternative Medicine*. World Health Organization, Geneva, 2002.
63. WHO. *Bulletin of the World Health Organization. Regulatory Situation of Herbal Medicines. A Worldwide Review*. World Health Organization, Geneva, 1998.
64. WHO. *Regulatory Situation of Herbal Medicines: a Worldwide Review*. World Health Organization, Geneva, 1998.
65. WHO. *Guidelines for the Regulatory Assessment of Medicinal Products for Use in Self Medication*. World Health Organization, Geneva, 2002.

References

66. WHO. *Research Guidelines for the Safety and Efficacy of Herbal Medicines*. World Health Organization, Geneva, 1993,
67. Chaudhury R.R. *Herbal Medicine for Human Health*. SEARO, No. 20. World Health Organization, New Delhi, 1992.
68. Wagner, H. Natural products chemistry and phytomedicine research in the new millennium: new developments and challenges.
69. A Source of Book of Indian Medicine: an anthology, K.H.Krishna Murthy, 1991, B.R. Publishing Corporation, Delhi.
70. Introduction to Dravyaguna, P.V. Sharma, Chowkambha, Varanasi.
71. Ayurveda of Hindu System of Medicine, Jyotirmitra, 1992, Chowkambha, Varanasi.
72. Ayurvedic Medicine, its Past and Present, Shivsharma, 1992, Chowkambha, Varanasi.
73. Bhaishajya Ratnavali, B.S. Sastri, Chowkambha, Varanasi.
74. The Ayurvedic Formulary of India, Anonymous, 1978, Government of India, Delhi.
75. Pharmacographica Indica, W. Dymock, C.J. Warden and D. Hooper, 1890, 3 vols., Bishen Singh Mahendrapal Singh, Dehra Dun.
76. Indian Materia Medica, K.M. Nadkarni, 2 vols, 3rd ed., A.K. Nadkarni, 1954, Popular Prakashan, Bombay.
77. Glossary of vegetable drugs in Brihatreyi, T.B. Singh and K.C. Chunekar, Chowkambha, Varanasi.
78. S.H. Shim, S.Y. Lee, J.S. Kim, Norditerpenoid alkaloids and other components from the processed tubers of *Aconitum Carmichaeli*, *Archives of Pharmaceutical Research*, 28(11), 2005, 1239-1243.
79. Y. Chen, S. Koelliker, M. Oeheme, A. Katz, Isolation of diterpenoidal alkaloids from herbs and flowers of *Aconitum napellus* spp. Vulgare and electrospray ion trap multiple MS study of these alkaloids, *Journal of Natural products*, 62(5), 1999, 701-704.
80. J.B. Hanuman, A. Katz, New Lipo-Norditerpenoid Alkaloids from Root tubers of *Aconitum ferox*, *Journal of Natural products*, 57(1), 1994, 105-115.
81. F. Moritz, P. Compagnon, Severe acute poisoning with homemade *Aconitum napellus* capsules: toxicokinetic and clinical data, *Clinical toxicology (Phila.)*, 43(7), 2005, 873-876.
82. H.G. Zhang, Y. Sun, Separation and identification of *Aconitum* alkaloids and their metabolites in human urine, *Toxicon*, 46(5), 2005, 500-506.

References

83. H.Liu, A.Katz, Diterpenoid Alkaloids from aphids *Brachycaudus aconite* and *Brachycaudus napelli* feeding on *Aconitum napellus*, *Journal of Natural Products*, 59, 1996, 135-138.
84. G. Sariyar, J.D. Phillipson, MAcrantaine and macrantoridine, new alkaloids from Turkish sample of *Papaver pseudoorientale*, *Phytochemistry*, 16, 1977, 2009-2013.
85. F.R. Stermitz, D.K. Kim, K.A. Larson, Alkaloids of *Argemone Al bilflora* , *A.brevicornuta* and *A. turnerae*, *Phytochemistry*, 12,1973,1355-1357.
86. A. Katz, Detection of diterpenoid alkaloids in aphids feeding on *Aconitum napellus*, *A. paniculatum.*, *Journal of Natural Products*, 53(1), 1990, 204-206.
87. Y. Bai, H.K. Desai, S.W. Pelletier, Long-chain fatty acids esters of some norterpenoid alkaloids, *Journal of Natural products*, 57(7), 1994, 963-970.
88. S.W. Pelletier, Studies in the chemistry of natural Products: Rearrangement reactions of diterpenoid and norditerpenoid alkaloids, *Journal of Natural products*, 55(1), 1992, 1-24.
89. Hazawa M, Wada K, Takahashi K, Mori T, Kawahara N, Kashiwakura I. Suppressive effects of novel derivatives prepared from Aconitum alaloids on tumour growth. *British Journal of Cancer*. 2008.
90. Xu H, Arita H, Hayashida M, Zhang L, Sekiyama H, Hanaoka K., Pain-relieving effects of processed Aconiti tuber in CCl4- neuropathic rats. *Journal of Ethnopharmacology*, (2006), 103(3); 392-397.
91. Luis JC, Valdés F, Martín R, Carmona AJ, Díaz JG. DPPH radical scavenging activity of two favonol glycosides from *Aconitum napellus* sp. *Lusitanicum*. *Fitoterapia*, (2006), 77(6), 469-471.
92. Zhou H, Wong YF, Cai X, Liu ZQ, Jiang ZH, Bian ZX, Xu HX, Liu L. Suppressive effects of JCICM-6, the extract of an anti-arthritic herbal formula, on the experimental inflammatory and nociceptive models in rodents. *Biol. Pharm. Bull.* (2007), 30 (12), 2412.
93. Liou SS, Liu IM, Lai MC. The plasma glucose lowering action of Hei-Shug-Pian, the fire processed product of the root of Aconitum (*Aconitum carmchaeli*) in streptozotocim-induced diabetic rats. *Journal of Ethnopharmacology*, 2006, 106(2), 256-262.
94. Mitamura M, Horie S, Sakaguchi M, Someya A, Tsuchiya S, Van de Voorde J, Murayama T, Watanabe K. Mesaconitine-induced relaxation in rat aorta: involvement of Ca²⁺ influx and nitric-oxide synthase in the endothelium. *European Journal of Pharmacology*, (2002), 436(3), 217-225.

95. Xie Y, Zhou H, Wong YF, Liu Z, Xu H, Jiang Z, Liu L. An optimized high-performance liquid chromatography (HPLC) method for benzoylemesaconine determination in *Radix Aconiti Lateralis Preparata* (Fuzi, aconite roots) and its products. *Chin Med.* (2008) 30; 3:6.
96. Tang WT, Wong SK, Law TY, Pang KC, Sin D, Tam YK. Method for the determination of Aconitum alkaloids in dietary supplements and raw materials by reversed-phase liquid chromatography with ultraviolet detection and confirmation by tandem mass spectrometry: single-laboratory validation. *Journal of AOAC International*, (2006), 89(6), 1496-1514.
97. Xie Y, Jiang ZH, Zhou H, Xu HX, Liu L, Simultaneous determination of six Aconitum alkaloids in proprietary Chinese medicines by high-performance liquid chromatography. *J. Chromatogr. A.* (2005)1093:195-203.
98. Wang Z, Wen J, Xing J, He Y, Quantitative determination of diterpenoid alkaloids in four species of Aconitum by HPLC *J. Pharm. Biomed. Anal.* (2006) 40:1031-1034.
99. Jiang, ZH; Xie, Y; Zhou, H; Liu, ZQ; Wong, YF; Cai, X; Xu, HX; Liu, L. Quantitation of Aconitum alkaloids in aconite roots by a modified RP-HPLC method. *Phytochem Anal.* (2005) 16: 415-421.
100. Hikino, H; Konno, C. Determination of aconitine alkaloids by high-performance liquid chromatography. *J Chromatogr.* (1981);211:123-128.
101. Ohta H, Seto Y, Tsunoda N, An optimized high-performance liquid chromatography (HPLC) method for benzoylemesaconine determination in *Radix Aconiti Lateralis Preparata* (Fuzi, aconite roots) and its products *J. Chromatogr. B.* (1997), 691:351.
102. Kasahara Y, Itou T. Simultaneous determination of aconitine analogues in Aconitum plants and foods that caused food poisoning by liquid chromatography with tandem mass spectrometry. *Shokuhin Eiseigaku Zasshi.* (2008), 49(2), 76-81.
103. Wang Z, Wen J, He Y. Simultaneous determination of three aconitum alkaloids in urine by LC-MS-MS. *Journal of Pharmaceutical and Biomedical Analysis.* (2007), 45(1), 145-148.
104. Feng HT, Li SF, Determination of five toxic alkaloids in two common herbal medicines with capillary electrophoresis. *J. Chromatogr. A.* (2002), 973:243-247.
105. Ohta, H; Seto, Y; Tsunoda, N. Determination of Aconitum alkaloids in blood and urine samples. I. High performance liquid chromatographic separation, solid-phase extraction and mass spectrometric confirmation. *J Chromatogr B.* (1997);691:351-356.

References

106. Ito K, Satoshi T, Funayama M, Mizugaki M, Quantitative analysis of *Aconitum* alkaloids in the urine and serum of a male attempting suicide by oral intake of aconite extract. (2000) *J. Anal. Toxicol.* 24: 348.
107. M. Weissenberg, A. Levy, The effect of some *Solanum* steroidal alkaloids and glycoalkaloids on larvae of flour beetle, *Tribolium Castaneum* and the tobacco hornworm, *Manduca Sexta*, *Phytochemistry*, 47(2), 1999, 203-209.
108. N.P. Marpathak, Ex-situ conservation and metabolic profiling of *Solanum indicum*, *Indian Drugs*, 41(3), 2004, 86-87.
109. W.J. Syu, M.J. don, Cytotoxic and novel compounds from *S. indicum*, *Journal of Natural Products*, 64, 2001, 1232-1233.
110. A.J. Conner, Differential solasodine accumulation in photoautographic and heterotrophic tissue cultures of *Solanum laciniatum*, *Phytochemistry*, 26(10), 1987, 2744-2750.
111. N.C. Mikolia, M.Z. Stankovic, Kinetics of solanidine hydrolytic extraction from potato (*S. tuberosum*) haulm in solid liquid systems, *Journal Serb. Chem. Soc.*, 68(1), 2003, 9-16.
112. M. Weissenberg, Isolation of solasodine and other steroidal alkaloids and sapogenins by direct hydrolysis extraction of solanum plants, *Phytochemistry*, 58(3), 2001, 501-508.
113. S. Jabbar, M.T. Khan, Bioactivity studies of the individual ingredients of Dashmularishtha, *Pakistan Journal of Pharmaceutical Sciences*, 17(1), 2004, 9-17.
114. K.H Gan, C.N. Lin, S.J., Won, Cytotoxic principles and their derivatives of Formosan solanum plants, *Journal of Natural Products*, 56(1), 1993, 15-21.
115. Jadhav SJ, Salunkhe DK, Wyse RE., Dalvi RR. 1973. *Solanum* alkaloids: biosynthesis and inhibition by chemicals. *J Food Sci* 38: 453-455.68
116. Jadhav SJ., Salunkhe DK. 1973. Enzymatic glucosylation of solanidine. *J Food Sci* 38: 1099-1100.
117. Kaneko K, Tanaka MW, Mitsushashi H. 1976. Origin of nitrogen in the biosynthesis of solanidine by *Veratrum grandiflorum*. *Phytochemistry* 15: 1391-1393.
118. Kuhn R, Löw I, Trischmann H. 1955a. Die Konstitution des α -Chaconins. *Chemische Ber* 88, 1690-1693.
119. Kuhn R, Löw I, Trischmann H. 1955b. Die Konstitution des Solanins. *Chemische Ber* 88, 1492-1507.
120. Van Gelder WMJ, Scheffer JJC. 1991. Transmission of steroidal glycoalkaloids from *Solanum vernei* to the cultivated potato. *Phytochemistry* 30: 165-168.78

References

121. Petersen HW, Mølgaard P, Nyman U, Olsen CE. 1993. Chemotaxonomy of the tuber-bearing *Solanum* species, subsection *Potatoe* (Solanaceae). *Biochem System Ecol* 21: 629-644.
122. Stapleton A, Allen PV, Friedman M, Belknap WR. 1991. Purification and characterization of solanidine glucosyltransferase from the potato (*Solanum tuberosum*). *J Agric Food Chem* 39: 1187-1193.
123. Roddick JG. 1989. The acetylcholinesterase-inhibitory activity of steroidal glycoalkaloids and their aglycons. *Phytochemistry* 28: 2631-4.
124. Roddick JG, Weissenberg M, Leonard AL. 2001. Membrane disruption and enzyme inhibition by naturally-occurring and modified chacotriose-containing *Solanum* steroidal glycoalkaloids. *Phytochemistry* 56: 603-610.
125. Roddick JG. 1979. Complex formation between solanaceous steroidal glycoalkaloids and free sterols in vitro. *Phytochemistry* 18: 1467-1470.
126. Keukens EAJ, De Vrije T, Fabrie CHJP, Demel RA, Jongen WMF, De Kruijff B. 1992. Dual specificity of sterol-mediated glycoalkaloid-induced membrane disruption. *Biochim Biophysica Acta (Biomembranes)* 1110: 127-136.
127. Blankemeyer JT, Stringer BK, Rayburn JR, Bantle JA, Friedman M. 1992. Effect of potato glycoalkaloids, α -chaconine and α -solanine on membrane potential of frog embryos. *J Agric Food Chem* 40: 2022-2025.
128. Blankemeyer JT, Atherton R, Friedman M. 1995. Effect of Potato Glycoalkaloids α -Chaconine and α -Solanine on Sodium Active Transport in Frog Skin. *J Agric Food Chem* 43: 636-639.
129. Blankemeyer JT, McWilliams ML, Rayburn JR., Weissenberg M, Friedman M. 1998. Developmental toxicology of solamargine and solasonine glycoalkaloids in frog embryos. *Food Chem Toxic* 36: 383-389.
130. Gaffield W, Keeler RF. 1996. Induction of terata in hamsters by solanidane alkaloids derived from *Solanum tuberosum*. *Chem Res Toxicol* 9: 426-433.
131. Rayburn JR, Bantle JA, Friedman M. 1994. Role of carbohydrate side chains of potato glycoalkaloids in developmental toxicity. *J Agric Food Chem* 42: 1511-1515.
132. Smith DB, Roddick JG, Jones JL. 2001. Synergism between the potato glycoalkaloids α -chaconine and α -solanine in inhibition of snail feeding. *Phytochemistry* 57: 229-234.
133. Bahgat A, Abdel-Aziz H, Raafat M, Mahdy A, El-Khatib AS, Ismail A, Khayyal MT. *Solanum indicum* ssp. *Distichum* extract is effective against L-NAME-induced hypertension in rats. *Fundamentals of Clinical Pharmacology*. 2008, 22 (6): 693-699.

References

134. Huang WH, Hsu CW, Fang JT. Central diabetes insipidus following digestion *Solanum indicum* L. concentrated solution. *Clinical Toxicology* (Philadelphia) 2008, 46 (4) 293-299.
135. Jabbar S, Khan MT, Choudhuri MS, Sil BK. Bioactivity studies of the individual ingredients of the *Dashmularishtha*. *Pakistan Journal of Pharmaceutical Sciences*. 2004. 17 (1): 9-17.
136. L. C. Baker, L. H. Lampitt, O. B. Meredith; Solanine, glycoside of the potato. An improved method of extraction and determination. *Journal of the Science of Food and Agriculture* , 6(4), 197 – 202.
137. Hellenäs K.; Branzell C.; Liquid chromatographic determination of the glycoalkaloids α -solanine and α -chaconine in potato tubers. *Journal of AOAC International*. 1060-3271.
138. Edwards . J. ; Cobba. H. ; Improved high-performance liquid chromatographic method for the analysis of potato (*Solanum tuberosum*) glycoalkaloids. *Journal of Agricultural and Food Chemistry*.(1996), 44(9), 2705-2709.
139. Roosen-Runge C, Schneider E., On the determination of the solanum alkaloids solanine and chaconine, *Z Lebensm Unters Forsch*. (1977),164(2),96-97.
140. Patricia B., Charles K., Alfred N., Philippe H., Luc A. Determination of α -Solanine and α -Chaconine in Potatoes by High-Performance Thin-Layer Chromatography/Densitometry. *Journal of AOAC International*. (2000), 83(6), 1468-1473.
141. Britta Z., Gareth C., John D., Oliver F., Comparison of rapid liquid chromatography-electrospray ionization-tandem mass spectrometry methods for determination of glycoalkaloids in transgenic Wild-grown potatoes. *Analytical Biochemistry* 336 (2005) 178–186.
142. Maria A. Bacigalupo, Renato Longhi and Giacomo Meroni Alpha-solanine and alpha-chaconine glycoalkaloid assay in *Solanum tuberosum* extracts by liposomes and time-resolved fluorescence. *Journal of Food Composition and Analysis*.17(5), (2004), 665-673.
143. Govindarajan, V.S. (1977). *Pepper - Chemistry, Technology, and Quality Evaluation*. CRC Critical Reviews in Food and Science and Nutrition. 115-250.
144. Chopra, R.N. and Chopra, I.C. (1959) Review of work on Indian medicinal plants. Special . Report Series No.1. Indian Council of Medical Research; New Delhi, India. 99-107.
145. Akamasu, E. (1970) *Modern Oriental Drugs*. Yishiyakusha, Tokyo. 537-540.

146. Perry, L. M. (1980) Medicinal Plants of East and Southeast Asia: attributed properties and uses; MIT Press, Cambridge.
147. Charaka et al. (1941) Charaka Samhita; 3rd edition Nirnaya Sagar Press Bombay, India [in Sanskrit].
148. Vagbhat (1962) Ashtang Hridaya, Chowkhamba Sanskrit Series; Varanasi, India [in Sanskrit].
149. Kaviraj, K.B. (1963) Sushruta Samhita; Vol. 3, 2nd edition; Chowkhamba Sanskrit Series, Varanasi, India [in Sanskrit].
150. Handbook of domestic medicine and common Ayurvedic remedies (1979). Central Council for Research in Indian Medicine and Homeopathy. New Delhi. 91-112.
151. Raj, K.P.S., Nagarsheth, H.K. (1978). Pepper. Indian Drugs. 16; 199-203.
152. Dymock, W., Warden, C.J.H., Hooper, D. (1972) Piper nigrum: Pharmacographia Indica. Published by The Institute of Health & Tibbi Research under auspices of Hamdard National Foundation. Pakistan. Vol.III. 372-374.
153. Grieve, M. (1959). Pepper: A Modern Herbal . Hafner Publishing Co. New York. Vol. 11. 627-628.
154. Antarkar, D.S., Vaidya, A.B. (1983) Therapeutic approach to malaria in Ayurveda. Symposium on Recent Advances in Protozoan Diseases. Hindustan Ciba -Geigy Research Centre Goregaon, Bombay, India. Editors: Subrahmanyam, D., Radhakrishna, V. 96-101.
155. Atal, C.K., Dhar, K.L., Singh, J. (1975) The chemistry of the Indian piper species. Lloydia. 38; 256-259.
156. Debrauwere, J., Verzele, M. Constituents of pepper IV. The hydrocarbons of pepper oil. J. Chromatogr. Sci. (1976), 14, 296-298.
157. Pei, Y.Q. (1983). A review of pharmacology and clinical use of piperine and its derivatives and uses. Epilepsia. 24; 177-181.
158. Singh, N. et al. (1973). A comparative evaluation of piperine and nalorphine induced respiratory depression and analgesia. J.Res.Ind.Med. 8(4); 21-26.
159. Dahanukar, S.A. et al. (1984, June) Efficacy of Piper longum in childhood asthma. Indian Drugs. 384-386.
160. Bose, K.G. (1929). Pharmacopoeia India. Bose Laboratories. Calcutta, India.
161. Atal C.K., Zutshi, U., Rao, P.G. (1981). Scientific evidence of the role of Ayurvedic herbals on bioavailability of drugs. J. Ethnopharm. 4; 229-233.
162. Atal, C.K. et al. (1985). Biochemical basis of enhanced drug availability by piperine: Evidence that piperine is a potent inhibitor of drug metabolism. J. Pharmacol. Exptal. Therap. 232; 258-262.

163. Johri, R.K., Zutshi, U. (1992). An Ayurvedic formulation 'Trikatu' and its constituents. *J.Ethnopharm.* 37; 85-91.
164. Sreevidya N, Mehrotra S. Spectrophotometric method for estimation of alkaloids precipitable with Draggendorff's reagent in plant materials. *Journal of AOAC International.* (2003), 86(6), 1124-1127.
165. Verzele, M., Quereschi, S., *HPLC Determination of Piperine in Pepper and in Pepper Extracts.* *Chromatographia*, (1980) 13(4), 241-243
166. Wood, A.B., Barrow, M.L., James, D.J., Piperine determination in pepper (*Piper nigrum* L.) and its oleoresins - a reversed-phase high-performance liquid chromatographic method *Flav. Fragr. J.* (2006), 3(2), 55 – 64.
167. Srinivas V. Pullela, Ashok K. Tiwari, UmaMaheswara S. Vanka, Anuradha Vummenthula, Hari B. Tatipaka, Krishna R. Dasari, Ikhlas A. Khan, Madhusudana R. Janaswamy HPLC assisted chemobiological standardization of α -glucosidase-I enzyme inhibitory constituents from *Piper longum* Linn-An Indian medicinal plant. *Journal of Ethnopharmacology*, (2006) 108(3), 445-449.
168. Ternes W, Krause EL. Characterization and determination of piperine and piperine isomers in eggs. *Anal Bioanal Chem.* (2002), 374 (1), 155-160.
169. Friedman M, Levin CE, Lee SU, Lee JS, Ohnisi-Kameyama M, Kozukue N. Analysis by HPLC and LC/MS of pungent piperamides in commercial black, white, green and red whole and ground peppercorns. *Journal of Agriculture and Food Chemistry*, (2008), 56(9): 3028-36.
170. Gopu CL, Aher S, Mehta H, Paradkar AR, Mahadik KR. Simultaneous determination of cinnamaldehyde, eugenol and piperine by HPTLC densitometric method. *Phytochemical Analysis*, (2008), 19(2), 116-121.
171. Musenga A, Mandrioli R, Ferranti A, D'Orazio G, Fanali S, Raggi MA. Analysis of aromatic and terpenic constituents of pepper extracts by capillary electrochromatography. *J Sep Sci.* (2007) 30(4), 612-619.
172. Bajad S, Singla AK, Bedi KL. Liquid chromatographic method for determination of piperine in rat plasma: application to pharmacokinetics. *Journal of Chromatography B.* (2002), 776(2), 245-249.
173. Bajad S, Johri RK, Singh K, Singh J, Bedi KL. Simple high-performance liquid chromatography method for the simultaneous determination of ketoconazole and piperine in rat plasma and hepatocyte culture. *Journal of Chromatography A*, (2002), 949 (1-2), 43-47.
174. S.K. Chauhan, G.P. Kimothi, Development of HPLC method to determine piperine in different piper species, *Indian Drugs*, 35(7), 1998, 408-411.

References

175. A.C. Suthar, D.P. Sohoni, HPTLC method for identification of different piper species and their mixtures, *Indian Drugs*, 40(12), 2003, 692-694.
176. Jie Liu, Jing-Zheng Shi Li-Mei Yu, Robert A. Goyer, Michael P. Waalkes. (2008) Mercury in Traditional Medicines: Is Cinnabar Toxicologically Similar to Common Mercurials? *Experimental Biology and Medicine* 233:810-817.
177. John m. Charnock, Lesley n. Moyes, Richard D. Pattrick, J. Frederick W. Mosselmans, David J. Vaughan, Francis R. Livens. The structural evolution of mercury sulfide precipitate: an XAS and XRD study. 2003. *American Mineralogist*, 88, 1197-1203.
178. Kenneth M. Doxsee, David S. Keegan, Heidi R. Wierman, John R. Hagadorn, Masayuki Arimura. Complexation-mediated crystallization. *Pure & Appl. Chem.*, 65 (3), 429-434, 1993.
179. Jiunn-Jye Chu, Shing-Hwa Liu, Shuei-Yn Lin-Shiau Effects of Methyl Mercury, Mercuric Sulfide and Cinnabar on Active Avoidance Responses, Na⁺/K⁺-ATPase Activities and Tissue Mercury Contents in Rats. *Proc. Natl. Sci. Counc. ROC(B)*. 25(2), 2001. 128-136
180. J. S. Waples, K. L. Nagy, G. R. Aiken, Dissolution Kinetics Of Cinnabar In The Presence Of Dissolved Organic Matter. , J. N. Ryan 399Eleventh Annual V. M. Goldschmidt Conference (2001) 3379.pdf
181. Masatoshi morita, Jun Yoshinaga, John S. Edmondst. International Union Of Pure And Applied Chemistry Analytical Chemistry Division Commission Of Microchemical Techniques And Trace Analysis Working Group On Speciation The Determination Of Mercury Species In Environmental And Biological Samples (Technical Report) *Pure & Appl. Chem.*, 70(8), 1585-1615, 1998.
182. Janina M. Benoit, Robert P. Mason, Cynthia C. Gilmour. Estimation of mercury-sulfide speciation in sediment pore waters using octanol-water partitioning and implications for availability to methylating bacteria. *Environmental Toxicology and Chemistry*, 18(10), 2138-2141, 1999.
183. Jacob S. Waples, Kathryn I. Nagy, George R. Aiken, Joseph N. Ryan Dissolution of cinnabar (HgS) in the presence of natural organic matter. *Geochimica et Cosmochimica Acta*, 69(6), 1575-1588, 2005.
184. Determination of Trace Mercury (Hg(II)) by Anodic Stripping Voltammetry at a Gold Electrode A Look at Different Techniques, Common Background Electrolytes and Electrode Surface Cleaning Procedures.
185. Rick Liva, ND, Heavy-Metal Contamination is a Real Problem Integrative Medicine. 6(2), 2007.

References

186. T. Prasada Rao, M.L.P. Reddy, A. Ramalingom Pillai. Application of ternary and multicomponent complexes to spectrophotometric and spectrofluorimetric analysis of inorganics. *Talanta* 46 (1998) 765–813.
187. Davut Uzuna, Sibel Ozdoganb, The behavior of sulphur forms of three lignites exposed to pyrolysis temperatures between 350 and 950 °C. *Fuel* 83 (2004) 1063–1070.
188. Stanley R. Benedict. The estimation of total sulphur in urine. *Journal of Biological Sciences*.
189. Robert B. Saper, Stefanos N. Kales, Janet Paquin, Michael J. Burns, David M. Eisenberg, Roger B. Davis, Russell S. Phillips. Heavy Metal Content of Ayurvedic Herbal Medicine Products. *JAMA*, 292(23), 2004.
190. K. Saraswathi, K. Vijayalakshmi, P. Prameela. Semi-automatic determination of elemental sulphur in rubber. *Journal of automatic chemistry*, 19(5) (1997), 153–156.
191. Tack F.M., Lapauw F., Verloo M.G., 1997. Determination and fractionation of sulphur in a contaminated dredged sediment. *Talanta* 44, 2185–2192.
192. Hasan Ozcan, Selahattin Yilmaz, Determination of boron in the waters of Troia by inductively coupled plasma-atomic emission spectrometry (ICP-AES). *J. Serb. Chem. Soc.* 70 (10), 1219–1227, (2005).
193. Juha Laakso, Martti Kulvik, Inkeri Ruokonen, Jyrki Va "ha " talo, Riitta Zilliacus, Markus Fa " rkkila ", Merja Kallio1, Atomic Emission Method for Total Boron in Blood during Neutron-Capture Therapy. *Clinical Chemistry* 47:10 1796–1803 (2001).
194. Atilla Simseka, Deniz Korkmazb, Y. Sedat Velioglua, O. Yavuz Atamanb. Determination of boron in hazelnut (*corylus avellana* l.) varieties by inductively coupled plasma optical emission spectrometry and spectrophotometry. *Analytical, Nutritional and Clinical Methods*.
195. K L Ramakumar. Indian Academy of Sciences. Analytical challenges in characterization of high purity materials. *Bull. Mater. Sci.*, 28(4), 2005, 331–337.
196. Ana M. Garcia Campana, Fermin Ales Barrero and Manuel Roman Ceba. Spectrofluorimetric Determination of Boron in Soils, Plants and Natural Waters With Alizarin Red S. *Analyst*, 1992, 117.
197. World Health Organization, Quality Control methods for medicinal plant materials, Geneva 1998.
198. World Health Organization, *Guidelines for the assessment of Herbal medicines*, Annex 11, WHO Technical Report series No.863,(1996).

References

199. Kokate, C.K., 'Practical Pharmacognosy' Vallabh prakashan ,(1988), 2nd Edition, 56-68 pp.
200. Journal of AOAC International , Official methods of analysis (1910),Pesticides and Industrial chemical residues.274-280.
201. Wagner, H., Blade, S., Zgainsky, G.M.; 'Plant Drug Analysis', Springer Verlag Britain, (1984), 291-293 pp.
202. Y. Chen, S. Koelliker, M. Oeheme, A. Katz, Isolation of diterpenoidal alkaloids from herbs and flowers of *Aconitum napellus* spp. Vulgare and electrospray ion trap multiple MS study of these alkaloids, *Journal of Natural products*, 62(5), 1999, 701-704.
203. Dayse, S.S., Marco, A.J.Z., Joao, P.F.T. , Extraction and isolation of α -solanine from potato sprouts.' *Bragentia*, (1983), 42(1), 255-259.
204. Debrauwere, J., Verzele, M. Constituents of pepper IV. The hydrocarbons of pepper oil. *J. Chromatogr. Sci.* (1976), 14, 296-298.
205. S. Govind, S. Brahma Shankar, S. Ambika dutt shastra, *Bhaishjaya Ratnavali*, Chowkhambh Sanskrita sthan, Varanasi, 549.
206. Sharma, P.V. (1976) *Introduction to Dravyaguna: Indian Pharmacology*. Chaukhambha Orientalia, Varanasi, India, pp. 3-67.
207. Indian Pharmacopoeia, Government of India, Ministry of Health and Welfare, Controller of publication, Delhi, (1966), 708 pp.
208. World Health Organization, *Quality Control methods for medicinal plant materials*, Geneva, (1998).
209. M.S. Saumy, N.D. Grampurohit, Chemical evaluation of Navayasa Churna, *Indian Drugs*, 39(2), 2002, 101-105.
210. J. Singh , R. Prakash, R. Ratan, Ras sindur and its standardization in Ayurvedic system of medicines, *Indian Drugs*, 32(5), 1996, 225-226.
211. J. Singh, R. Prakash, Identification of some Ayurvedic drugs using I.R. Spectrophotometer, *Indian Drugs*, 34(6), 1997, 360-361.
212. S.M. Sondhi, V.K. Sharma, R.P. Verma , Analysis of some Ayurvedic Bhasmas, *Indian Drugs*, 33(2), 1996, 67-70.
213. M.Bhagwat, R.V. Kashalkar, Preparation and structural characterization of Jasad Bhasma, *Indian Drugs* , 41(1), 2004, 12-18.
214. M. Bhagwat, R.V.Kashalkar, Traditional preparation of Kapardika Bhasma and Physicochemical Characterization of the Bhasma and its intermediates, *Indian Drugs*, 41(4), 2004, 207-213.

References

215. J.K. Lalla, P.D. Hamrapurkar, Preparation , characterization and analysis of shankha bhasma, *Indian Drugs*, 39(3), 2002, 152-157.
216. ICH, Q2B (1996) Validation of Analytical Procedures: Methodology. International Conference on harmonization, Geneva, Switzerland.
217. ICH, Q1A(R2) (2003) Stability testing of new drug substances and products in : International Conference on Harmonization, Geneva Switzerland.
218. Job, Ann. Chim. 10, 9:113 (1928).
219. B.L. Chauhan, S.K. Mitra, A.R. Mohan, Development of HPTLC fingerprint technique and bioassay to establish the shelf life of a proprietary herbal formulation (PHF), an ayurvedic formulation, containing ingredients of herbal origin, *Indian Drugs*, 31(7), 1993, 333-338.
220. Hearse DJ, De Leiris J, Loisanse J, editors. *Enzymes in cardiology*. A wiley-Interscience publication, London, John Wiley and sons Ltd, 1979.
221. OECD. 1998. Test Guideline 408. Single Dose 90-day Oral Toxicity Study in Rodents. In: OECD Guidelines for the Testing of Chemicals. Organisation for Economic Cooperation & Development, Paris.
222. A.K. Chaudhary, S.K. Dixit, M. Kumar, Toxicity studies of Bhasmas of Makshika and Makshika satva, *Indian Drugs*, 34(11),1997, 641-649.
223. Nirmala C, Puvanakrishnan R. Protective role of curcumin against isoproterenol induced myocardial infarction in rats. *Mol. Cell. Biochem.* 1996, 159: 85-93.
224. Sushmakumari S, Jayadeep A, Suresh Kumar JS, Menon PVG. Effect of carnitine on malondialdehyde, taurine and glutathione levels in hearts of rats subjected to myocardial stress by isoproterenol. *Ind. J. Exp. Biol.* 1989, 27: 134-137.
225. Wexler BC, Greenberg BP. Protective effects of clofibrate on isoproterenol-induced myocardial infarction in arteriosclerotic and non- arteriosclerotic rats. *Atherosclerosis*. 1978, 29: 373-375.
226. Yoe, J. H., and Jones, A. L., Ind. Eng. Chem., Anal. Ed., 1944, 16, 111.