

References

- Ali, H., Haribabu, B., Richardson, R. M., Snyderman, R., 1997. Mechanisms of inflammation and leukocyte activation. *Medical Clinics of North America*, 81(1), 1-28.
- Amico, V., Barresi, V., Condorelli, D., Spatafora, C., Tringali, C., 2006. Antiproliferative terpenoids from almond hulls (*Prunus dulcis*): Identification and structure-activity relationships. *Journal of Agricultural and Food Chemistry* 54(3), 810-814.
- Araico, A., Terencio, M. C., Alcaraz, M. J., Dominguez, J. N., Leon, C., Ferrandiz, M. L., 2006. Phenylsulphonyl urenyl chalcone derivatives as dual inhibitors of cyclooxygenase-2 and 5-lipoxygenase. *Life Sciences* 78(25), 2911-2918.
- Atsumi, T., Murakami, Y., Shibuya, K., Tonosaki, K., Fujisawa, S., 2005. Induction of cytotoxicity and apoptosis and inhibition of cyclooxygenase-2 gene expression, by curcumin and its analog, α -diisoeugenol. *Anticancer Research* 25(6B), 4029-4036.
- Austin, P., Nathan, D., 1998. Kamilaroi/Gamilaraay Web Dictionary. <http://coombs.anu.edu.au/WWWVLPages/AborigPages/LANG/GAMDICTIONARY/GAMDICTIONARY.TM>. Accessed on 01 May 2006.
- Australian Institute of Aboriginal and Torres Strait Islander Studies (AIATSIS), 2000. Aboriginal Australia Map. 3rd Edition. AUSLIG, Canberra, ACT.
- Australian National Botanic Gardens. New South Wales Flora Online. <http://plantnet.rbgsyd.nsw.gov.au/>. Accessed on 28 May 2006.
- Baines, J. A., 1981. Australian Plant Genera: An Etymological Dictionary of Australian Plant Genera. Surrey Beatty and Sons, Chipping Norton, N.S.W.
- Balick, M. J., Cox, P. A., 1996. Plants, People, and Culture. The Sciences of Ethnobotany. Scientific American Library, New York.
- Baltina, L. A., Flekhter, O. B., Nigmatullina, L. R., Boreko, E. I., Pavlova, N. I., Nikolaeva, S. N., Savinova, O. V., Tolstikov, G. A., 2003. Lupane triterpenes and derivatives with antiviral activity. *Bioorganic and Medicinal Chemistry Letters* 13(20), 3549-3552.
- Barr, A., Chapman, J., Smith, N., Beveridge, M., Knight, T., Alexander, V., Andrews, M., 1988. Traditional Bush Medicines: An Aboriginal Pharmacopoeia. Aboriginal Communities of the Northern Territory of Australia. Greenhouse Publications, Richmond, Victoria.
- Barr, A., Chapman, J., Smith, N., Wightman, G., Knight, T., Mills, L., Andrews, M., Alexander, V., 1993. Traditional Aboriginal Medicines in the Northern Territory of Australia. Conservation Commision of the Northern Territory of Australia. Darwin, Northern Territory.
- Basaraba, J., 1966. Effects of vegetable tannins on glucose oxidation by various microorganisms. *Canadian Journal of Microbiology* 12(4), 787-794.

Bengmark, S., 2006. Curcumin, an atoxic antioxidant and natural NF. κ B, cyclooxygenase-2, lipoxygenase, and inducible nitric oxide synthase inhibitor: a shield against acute and chronic diseases. *Journal of Parenteral and Enteral Nutrition* 30(1), 45-51.

Benkendorff, K., Davis, A. R., Bremner, J. B., 2000. Rapid screening methods for detecting antimicrobial activity in the egg masses of marine molluscs. *Journal of Medical and Applied Malacology* 10, 211-223.

Bertolini, A., Ottani, A., Sandrini, M., 2002. Selective COX-2 inhibitors and dual acting anti-inflammatory drugs: critical remarks. *Current Medicinal Chemistry* 9, 1033-1043.

Bez, G., Kalita, B., Sarmah, P., Barua, N. C., Dutta, D. K., 2003. Recent developments with 1,2,4-trioxane-type artemisinin analogues. *Current Organic Chemistry* 7(12), 1231-1255.

Bochsler, P. N. Slauson, D. O., 2002. Inflammation and Repair of Tissue. In: Slauson, D. O., Cooper, B. J. (eds.), *Mechanisms of Disease*. Mosby, St. Louis, Missouri.

Braun, L., Cohen, M., 2005. Herbs and Natural Supplements. Elsevier Australia, Marrickville, New South Wales.

Brock, J., 1988. Top End Native Plants. A Comprehensive Guide to the Trees and Shrubs of the Top End of the Northern Territory. Winnelie, Darwin, Northern Territory.

Brock, T. D., Madigan, M. T., Martinko, J. M., Parker, J., 1994. Biology of Microorganisms (7th Edition). Prentice-Hall Inc., London.

Brouwer, N., Kohen, J., Jamie, J., Vemulpad, S., 2006. Modification of the fluorescein diacetate assay for screening of antifungal agents against *Candida albicans*: Comparison with the NCCLS methods. *Journal of Microbiological Methods* 66(2), 234-241.

Buschi, C. A., Pomilio, A. B., Gros, E. G., 1980. New methylated flavones from *Gomphrena martiana*. *Phytochemistry* 19, 903.

Calixto, J. B., Otuki, M. F., Santos, A. R. S., 2003. Anti-inflammatory compounds of plant origin. Part I. Action on arachidonic acid pathway, nitric oxide and nuclear factor κ B (NF- κ B). *Planta Medica* 69(11), 973-983.

Calson, T. J. S., 2002. Medical ethnobotanical research as a method to identify bioactive plants to treat infectious diseases. In: Iwu and Wootton (eds.), *Ethnomedicine and Drug Discovery*. Elsevier Sciences.

Camporese, A., Balick, M. J., Arvigo, R., Esposito, R. G., Morsellino, N., De Simone, F., Tubaro, A., 2003. Screening of anti-bacterial activity of medicinal plants from Belize (Central America). *Journal of Ethnopharmacology* 87(1), 103-107.

Cayman Chemicals, 2005a. COX Inhibitor Screening Assay (Catalog No. 560131). Ann Arbor, MI.

Cayman Chemicals, 2005b. Lipoxygenase Inhibitor Screening Assay (Catalog No. 760700). Ann Arbor, MI.

- Celotti, F., Laufer, S., 2001. Anti-inflammatory drugs: new multitarget compounds to face an old problem. The dual inhibition concept. *Pharmacological Research* 43(5), 429-436.
- Cernakova, M., Kostalova, D., 2002. Antimicrobial activity of berberine – a constituent of *Mahonia aquifolium*. *Folia Microbiologica* (Prague, Czech Republic) 47(4), 375-378.
- Chand, S., Lusunzi, I., Veal, D. A., Williams, L. R., Karuso, P., 1994. Rapid screening of the antimicrobial activity of extracts and natural products. *Journal of Antibiotics* 47(11), 1295-1304.
- Chandrasekharan, N. V., Dai, H., Roos, K. L. T., Evanson, N. K., Tomsik, J., Elton, T. S., Simmons, D. L., 2002. COX-3, a cyclooxygenase-1 variant inhibited by acetaminophen and other analgesic/antipyretic drugs: cloning, structure, and expression. *Proceedings of the National Academy of Sciences of the United States of America* 99(21), 13926-13931.
- Chattopadhyay, I., Biswas, K., Bandyopadhyay, U., Banerjee, R. K., 2004. Turmeric and curcumin: biological actions and medicinal applications. *Current Science* 87(1), 44-53.
- Chu, Y. I., Penland, R. L., Wilhelmus, K. R., 2000. Colorimetric indicators of microbial contamination in corneal preservation medium. *Cornea* 19(4), 517-20.
- Cichewicz, R. H., Kouzi, S. A., 2004. Chemistry, biological activity, and chemotherapeutic potential of betulinic acid for the prevention and treatment of cancer and HIV infection. *Medicinal Research Reviews* 24(1), 90-114.
- Claria, J., Romano, M., 2005. Pharmacological intervention of cyclooxygenase-2 and 5-lipoxygenase pathways: Impact on inflammation and cancer. *Current Pharmaceutical Design* 11(26), 3431-3447.
- Clarke, J. M., Gillings, M. R., Altavilla, N., Beattie, A. J., 2001. Potential problems with fluorescein diacetate assays of cell viability when testing natural products for antimicrobial activity. *Journal of Microbiological Methods* 46, 261-267.
- Collins, D. J., Culvenor, C. C. J., Lamberton, J. A., Loder, J. W., Price, J. R., 1990. Plants for medicines: a chemical and pharmacological survey of plants in the Australian Region. Brown Prior Anderson, Melbourne.
- Cooke, R. G., Haynes, H. F., 1960. Coloring matters of Australian plants. VII. Flavonoid glycosides from *Exocarpus cupressiformis*. *Australian Journal of Chemistry* 13, 150-5.
- Cordell, G. A., 2002. Natural products in drug discovery - creating a new vision. *Phytochemistry Reviews* 1, 261-273.
- Cowan, M. M., 1999. Plant products as antimicrobial agents. *Clinical Microbiology Reviews* 12(4), 564-582.
- Cox, P. A., 1994. The ethnobotanical approach to drug discovery: strengths and limitations. In: Ethnobotany and the Search for New Drugs. Ciba Foundation Symposium 185.
- Cragg, G. M., Newman, D. J., 2001. Natural product drug discovery in the next millennium. *Pharmaceutical Biology* 39, Supplement, 8-17.

Cribb, A. B., Cribb, J. W., 1981. Wild Medicine in Australia, William Collins Pty Ltd, Sydney NSW.

Croft, K. D., Ghisalberti, E. L., Jefferies, P. R., Proudfoot, G. M., 1981. New Serrulatanes from *Eremophila* spp. Australian Journal of Chemistry 34, 1951-1957.

Croft, K. D., Ghisalberti, E. L., Jefferies, P. R., Stuart, A. D., 1979. The absolute configuration of dihydroxyserrulatic acid. Australian Journal of Chemistry 32, 2079-2083.

Cucurou, C., Battioni, J. P., Daniel, R., Mansuy, D., 1991. Peroxidase-like activity of lipoxygenases: different substrate specificity of potato 5-lipoxygenase and soybean 15-lipoxygenase and particular affinity of vitamin E derivatives for the 5-lipoxygenase. Biochimica et Biophysica Acta, Lipids and Lipid Metabolism 1081(1), 99-105.

d'Albuquerque, I. L., de Lima, O. G., Navarro, M. C. P., 1962. New method for extraction and purification of biflorin with industrial possibility. Rev. Inst. Antibiot. Univ. Recife 4(1-2), 79-81.

Davey, K. G., Szekely, A., Johnson, E. M., Warnock, D. W., 1998. Comparison of a new commercial colorimetric microdilution method with a standard method for *in-vitro* susceptibility testing of *Candida* spp. and *Cryptococcus neoformans*. Journal of Antimicrobial Chemotherapy 42(4), 439-444.

Daw, B., Walley, T., Keighery, G., 1997. Bush Tucker. Plants of the South-West. Department of Conservation and Land Management. Como, Western Australia.

de Lima, O. G., d'Albuquerque, I. L., 1958. Simple method for the extraction and purification of biflorina. Rev. inst. antibioticos, Univ. Recife 1(1), 7-9.

Dorsey, W. C., Tchounwou, P. B., 2004. Pentachlorophenol-induced cytotoxic, mitogenic, and endocrine-disrupting activities in channel catfish, *Ictalurus punctatus*. International Journal of Environmental Research and Public Health 1(2), 90-99.

Dunstan, C. A., Liu, B., Welch, C. J., Perera, P., Bohlin, L., 1998. Alphitol, a phenolic substance from *Alphitonia zizyphoides* which inhibits prostaglandin biosynthesis *in vitro*. Phytochemistry 48(3), 495-497.

EAGAR, 2003. EAGAR Importance Rating and Summary of Antibiotic Uses in Humans in Australia. http://www.nhmrc.gov.au/publications/_files/antirate.pdf. Accessed on 16/06/2006.

Edmond, M. B., Wallace, S. E., McClish, D. K., Pfaffer, M. A., Jones, R. N., Wenzel, R. P., 1999. Nosocomial bloodstream infections in United States hospitals: a three-year analysis. Clinical infectious diseases 29(2), 239-44.

Elix, J. A., Sargent, M. V., 1968. Synthesis of 8-(5-hexyl-2-furyl) octanoic acid, a fatty acid found in *Exocarpus* seed oil. Journal of the Chemical Society [Section] C: Organic (5), 595-596.

Espinel-Ingroff, A. V., Pfaffer, M. A., 2003. Susceptibility test methods: yeast and filamentous fungi. In: Murray, P. R., Baron, E. J., Jorgensen, J. H., Pfaffer, M. A., Yolken, R. H. (Eds.), Manual of Clinical Microbiology (8th Edition). ASM Press, Washington D. C.

Espinel-Ingroff, A., Rodriguez-Tudela, J. L., Martinez-Suarez, J. V., 1995. Comparison of two alternative microdilution procedures with the National Committee for Clinical Laboratory Standards reference macrodilution method M27-P for *in vitro* testing of fluconazole-resistant and -susceptible isolates of *Candida albicans*. Journal of Clinical Microbiology 33(12), 3154-8.

Ewart, A. J., 1930. Flora of Victoria. Melbourne University Press, Melbourne.

Fabricant, D. S., Farnsworth, N. R., 2001. The value of plants used in traditional medicine for drug discovery. Environmental Health Perspectives 109, supplement 1, 69-75.

Fellows, L., Scofield, A., 1995. Chemical diversity in plants. In: (Swanson, T. Ed.) Intellectual Property Rights and Biodiversity Conservation: An Interdisciplinary Analysis of the Value of Medicinal Plants. Cambridge University Press, Cambridge, UK.

Flaster, T., 1996. Ethnobotanical approaches to the discovery of bioactive compounds. In: Janick, J. (ed.), Progress in New Crops. ASHS Press, Arlington, Virginia.

Fonteh, A. N., 2004. An outline of arachidonate remodelling and its biological significance. In: Fonteh, A. N., Wykle R. L. (Eds.), Arachidonate Remodelling and Inflammation. Birkhauser Verlag, Basel, Switzerland.

Forster, P. G., Ghisalberti, E. L., Jefferies, P. R., Poletti, V. M., Whiteside, N. J., 1986. Serrulatane diterpenes from *Eremophila* spp. Phytochemistry 25(6), 1377-1383.

Fritzsche, E., Baek, S. J., King, L. M., Zeldin, D. C., Eling, T. E., Bell, D. A., 2001. Functional characterization of cyclooxygenase-2 polymorphisms. Journal of Pharmacology and Experimental Therapeutics 299(2), 468-476.

Furse, K. E., Pratt, D. A., Porter, N. A., Lybrand, T. P., 2006. Molecular dynamics simulations of arachidonic acid complexes with COX-1 and COX-2: Insights into equilibrium behavior. Biochemistry 45(10), 3189-3205.

Galli, G., Panzetta, G., 2002. Do non-steroidal anti-inflammatory drugs and COX-2 selective inhibitor have different renal effects? Journal of Nephrology 15(5), 480-488.

Ghisalberti, E. L., 1994a. The phytochemistry of the Myoporaceae. Phytochemistry, 35(1), 7-33.

Ghisalberti, E. L., 1994b. The ethnopharmacology and phytochemistry of *Eremophila* species (Myoporaceae). Journal of Ethnopharmacology 44, 1-9.

Ghisalberti, E. L., 1995. The chemistry of unusual terpenoids from the genus *Eremophila*. Studies in Natural Products Chemistry 15, 225-287.

Ghisalberti, E. L., Jefferies, P. R., Vu, H. T. N., 1990. Diterpenes from *Eremophila* species. Phytochemistry 29(1), 316-318.

Giner-Larza, E. M., Manez, S., Recio, M. C., Giner, R. M., Prieto, J. M., Cerda-Nicolas, M., Rios, J. L., 2001. Oleanonic acid, a 3-oxotriterpene from *Pistacia*, inhibits leukotriene synthesis and has anti-inflammatory activity. European Journal of Pharmacology 428(1), 137-43.

Goddard, C., Kalotas, A., 2002. Punu: Yankunytjatjara Plant Use: Traditional Methods of Preparing Foods, Medicines, Utensils and Weapons from Native Plants. Jukurrpa Books, Alice Springs, Northern Territory.

Gott, B., 1996. NSWUSE – Database of NSW Plants Utilised by Aborigines.

Graham-Evans, B., Cohly, H. H. P., Yu, H., Tchounwou, P. B., 2004. Arsenic-induced genotoxic and cytotoxic effects in human keratinocytes, melanocytes and dendritic cells. International Journal of Environmental Research and Public Health 1(2), 83-89.

Graney, J., 2005. Science at work. Coastal Views (APN Newspaper), 3 November 2005.

Greenwood, D., Slack, R. C. B., Peutherer, J. F, 2002. Medical Microbiology. A Guide to Microbial Infections: Pathogenesis, Immunity, Laboratory Diagnosis and Control (16th Edition). Churchill Livingstone, Edinburgh.

Hadacek, F., Greger, H., 2000. Testing of antifungal natural products: Methodologies, comparability of results and assay choice. Phytochemical Analysis 11, 137-147.

Haslam, E., 1996. Natural polyphenols (vegetable tannins) as drugs: possible modes of action. Journal of Natural Products 59, 205-215.

Hata, K., Hori, K., Ogasawara, H., Takahashi, S., 2003. Anti-leukemia activities of Lup-28-al-20(29)-en-3-one, a lupane triterpene. Toxicology Letters 143(1), 1-7.

Hatt, H. H., Triffett, A. C. K., Wailes, P. C., 1959. Acetylenic acids from the fats of Santalaceae and Olacaceae. Seed and root oils of *Exocarpus cupressiformis*. Australian Journal of Chemistry 12, 190-5.

Hegarty, B. F., Kelly, J. R., Park, R. J., Sutherland, M. D., 1970. Terpenoid chemistry. XVII. (-)-Ngaione, a toxic constituent of *Myoporum deserti*. The absolute configuration of (-)-ngaione. Australian Journal of Chemistry 23(1), 107-17.

Heinrich, M., 2003. Ethnobotany and natural products: the search for new molecules, new treatments of old diseases or a better understanding of Indigenous cultures? Current Topics in Medicinal Chemistry (Hilversum, Netherlands) 3(2), 141-154.

Heinrich, M., Gibbons, S., 2001. Ethnopharmacology in drug discovery: an analysis of its role and potential contribution. Journal of Pharmacy and Pharmacology 53, 425-432.

Henderson, W. R. Jr., 1994. The role of leukotrienes in inflammation. Annals of Internal Medicine 121(9), 684-697.

Hinz, B., Brune, K., 2002. Cyclooxygenase-2 – 10 years later. The Journal of Pharmacology and Experimental Therapeutics 300(2), 367-375.

Hoffmann, H. Martin R., Frackenpohl, J., 2004. Recent advances in Cinchona alkaloid chemistry. European Journal of Organic Chemistry 21, 4293-4312.

Hostettmann, K., Terreaux, C., 2000. Search for new lead compounds from higher plants. Chimia 54(11), 652-657.

- Huang, C., Tunon, H., Bohlin, L., 1995. Anti-inflammatory compounds isolated from *Menyanthes trifoliata* L. *Acta Pharmaceutica Sinica* 30(8), 621-6.
- Hunter, J., 2005. Comparative Study of Traditional Aboriginal Knowledge and Science. Thesis for Masters of Indigenous Studies (research) degree. Macquarie University.
- Hwang, B. Y., Roberts, S. K., Chadwick, L. R., Wu, C. D., Kinghorn, A. D., 2003. Antimicrobial constituents from goldenseal (the rhizomes of *Hydrastis canadensis*) against selected oral pathogens. *Planta Medica* 69(7), 623-627.
- Ikuta, A., Itokawa, H., 1988. Triterpenoids of *Paeonia japonica* callus tissue. *Phytochemistry* 27(9), 2813-15.
- Inoue, H., Mori, T., Shibata, S., Koshihara, Y., 1988. Inhibitory effect of glycyrrhetic acid derivatives on arachidonic acid-induced mouse ear edema. *Journal of Pharmacy and Pharmacology* 40(4), 272-277.
- Irving, W., Ala'Aldeen, D., Boswell, T., 2005. Medical Microbiology. Taylor and Francis, New York.
- Isaacs, J., 1987. Bush Food: Aboriginal Food and Herbal Medicine. Lansdowne, Sydney NSW.
- Iwu, M. M., 2002. Ethnobotanical approach to pharmaceutical drug discovery: strengths and limitations. In: Iwu and Wootton (eds.), *Ethnomedicine and Drug Discovery*. Elsevier Sciences.
- James, M. J., Cleland, L. G., 2006. Cyclooxygenase-2 inhibitors: what went wrong? *Current Opinion in Clinical Nutrition and Metabolic Care* 9(2), 89-94.
- Jayasinghe, L., Kumarihamy, B. M. M., Jayarathna, K. H. R. N., Udishani, N. W. M. G., Bandara, B. M. R., Hara, N., Fujimoto, Y., 2003. Antifungal constituents of the stem bark of *Bridelia retusa*. *Phytochemistry* 62(4), 637-641.
- Jessop, J. P., Toelken, H. R. (Eds.), 1986. Flora of South Australia (4th ed.). Part 1. Lycopodiaceae – Rosaceae. South Australian Government Printing Division, Adelaide.
- Jorgensen, J. H., Turnidge, J. D., 2003. Susceptibility test methods: dilution and disk diffusion methods. In: Murray, P. R., Baron, E. J., Jorgensen, J. H., Pfaffer, M. A., Yolken, R. H. (Eds.), *Manual of Clinical Microbiology* (8th Edition). ASM Press, Washington D. C.
- Julemont, F., Dogne, J.-M., Pirotte, B., Leval, X., 2004. Recent development in the field of dual COX/5-LOX inhibitors. *Mini-Reviews in Medicinal Chemistry* 4, 633-638.
- Karou, D., Dicko, M. H., Simpore, J., Traore, A. S., 2005. Antioxidant and antibacterial activities of polyphenols from ethnomedicinal plants of Burkina Faso. *African Journal of Biotechnology* 4(8), 823-828.
- Kashiwada, Y., Hashimoto, F., Cosentino, L. M., Chen, C. H., Garrett, P. E., Lee, K. H., 1996. Betulinic acid and dihydrobetulinic acid derivatives as potent anti-HIV agents. *Journal of Medicinal Chemistry* 39(5), 1016-17.

Kashiwada, Y., Wang, H.-K., Nagao, T., Kitanaka, S., Yasuda, I., Fujioka, T., Yamagishi, T., Cosentino, L. M., Kozuka, M., Okabe, H., Ikeshiro, Y., Hu, C.-Q., Yeh, E., Lee, K.-H., 1998. Anti-HIV activity of oleanolic acid, pomolic acid, and structurally related triterpenoids. *Journal of Natural Products* 61(9), 1090-1095.

Klayman, D. L., 1985. Qinghaosu (Artemisinin): An antimalarial drug from China. *Science* 228(4703), 1049-1055.

Kneale, K. E., 1984. *A Mee Mee's Memories*. Regional Printers, Inverell.

Koda, N., Mizoguchi, Y., Kobayashi, J., Kondo, Y., Morisawa, S., Monna, T., Yamamoto, H., 1988. Effects of glycyrrhizin and glycyrrhetin on cascade of arachidonic acid. *Wakan Iyaku Gakkaishi* 5(3), 508-509.

Kone, W. M., Atindehou, K. K., Terreaux, C., Hostettmann, K., Traore, D., Dosso, M., 2004. Traditional medicine in north Côte-d'Ivoire: screening of 50 medicinal plants for antibacterial activity. *Journal of ethnopharmacology* 93(1), 43-49.

Kovganko, N. V., Kashkan, Z. N., Borisov, E. V., 2000. ^{13}C NMR spectra of functionally substituted 3β -chloroderivatives of cholesterol and β -sitosterol. *Chemistry of Natural Compounds* 36, 595-598.

Kyriazis, S., 1995. Bush Medicine of the Northern Peninsula Area of Cape York. Nai Beguta Agama Aboriginal Corporation, Bamaga, Queensland.

Lassak, E. V., McCarthy, T., 1983. *Australian Medicinal Plants*. Methuen Australia, North Ryde, New South Wales.

Latz, P. K., 1995. *Bushfires and Bushtucker: Aboriginal Plant Use in Central Australia*. IAD Press, Alice Springs, NT.

Leach, D. N., Spooner-Hart, R. N., Eaton, G. F., 2004. Isolation of insecticidal eremophilone and derivatives from Myoporaceae. *PCT Int. Appl.*, 81 pp. CODEN: PIXXD2 WO 2004021784 A1 20040318. Application: WO 2003-AU1133 20030903. Priority: US 2002-408129 20020903. CAN 140:248749 AN 2004:220117.

Lee, K.-H., 2004. Current developments in the discovery and design of new drug candidates from plant natural product leads. *Journal of Natural Products* 67(2), 273-283.

Lesney, M. S., 2004. Nature's pharmaceuticals. Natural products from plants remain at the core of modern medicinal chemistry. *Today's Chemist at Work*. July, 26-32.

Levitt, D., 1981. *Plant and People. Aboriginal Uses of Plants on Groote Eylandt*. Australian Institute of Aboriginal Studies, Canberra, ACT.

Levy, S. B., Marshall, B., 2004. Antibacterial resistance worldwide: Causes, challenges and responses. *Nature Medicine* 10(Supplement 12), S122-S129.

Lewis, W. H., Vaisberg, A., Lamas, G., Sarasara, C., Elvin-Lewis, M., 2004. Advantage of ethnobotanically-based research for searching new pharmaceuticals. *Ethnobotany* 16, 10-15.

- Li, R. W., Leach, D. N., Myers, S. P., Leach, G. J., Lin, G. D., Brushett, D. J., Waterman, P. G., 2004. Anti-inflammatory activity, cytotoxicity and active compounds of *Tinospora smilacina* Benth. *Phytotherapy Research* 18(1), 78-83.
- Li, R. W., Myers, S. P., Leach, D. N., Lin, G. D., Leach, G. J., 2003. A cross-cultural study: Anti-inflammatory activity of Australian and Chinese plants, *Journal of Ethnopharmacology* 85, 25-32.
- Lindsay, E. A., Berry, Y., Jamie, J. F., Bremner, J. B., 2000. Antibacterial compounds from *Carissa lanceolata* R.Br. *Phytochemistry* 55, 403-406.
- Lindsey, K., Jager, A. K., Raidoo, D. M., van Staden, J. 1999. Screening of plants used by Southern African traditional healers in the treatment of dysmenorrhoea for prostaglandin-synthesis inhibitors and uterine relaxing activity. *Journal of Ethnopharmacology* 64(1), 9-14.
- Liu, W. K., Ho, J. C. K., Cheung, F. W. K., Liu, B. P. L., Ye, W. C., Che, C. T., 2004. Apoptotic activity of betulinic acid derivatives on murine melanoma B16 cell line. *European Journal of Pharmacology* 498(1-3), 71-78.
- Livermore, D. M., 2004. The need for new antibiotics. *Clinical microbiology and infection* 10(Supplement 4), 1-9.
- Look, S. A., Fenical, W., 1987. The seco-pseudopterosins, new anti-inflammatory diterpene-glycosides from a Caribbean gorgonian octocoral of the genus *Pseudopterogorgia*. *Tetrahedron* 43(15), 3363-3370.
- Look, S. A., Fenical, W., Jacobs, R. S., Clardy, J., 1986. The Pseudopterosins: anti-inflammatory and analgesic natural products from the sea whip *Pseudopterogorgia elisabethae*. *Proceedings of the National Academy of Sciences of the United States of America* 83(17), 6238-6240.
- Low, T. 1989. *Bush Tucker: Australian's Wild Food Harvest*. Angus and Robertson, North Ryde, NSW.
- Low, T., 1990. *Bush Medicine: a Pharmacopoeia of Natural Remedies*, Angus and Robertson, North Ryde, NSW.
- Lu, H., Higgins, V. J., 1999. The effect of hydrogen peroxide on the viability of tomato cells and of the fungal pathogen *Cladosporium fulvum*. *Physiological and Molecular Plant Pathology* 54(5/6), 131-143.
- Mahady, G. B., 2005. Medicinal plants for the prevention and treatment of bacterial infections. *Current Pharmaceutical Design* 11(19), 2405-2427.
- Maiden, J. H., 1975. *The useful native plants of Australia*. Alexander Bros, Mentone, Victoria.
- Mann, C. M., Markham, J. L., 1998. A new method for determining the minimum inhibitory concentration of essential oils. *Journal of Applied Microbiology* 84, 538-544.

Masferrer, J. L., Zweifel, B. S., Manning, P. T., Hauser, S. D., Leahy, K. M., Smith, W. G., Isakson, P. C., Seibert, K., 1994. Selective inhibition of inducible cyclooxygenase 2 *in vivo* is antiinflammatory and nonulcerogenic. Proceedings of the National Academy of Sciences of the United States of America 91(8), 3228-32.

McBride, J., Ingram, P. R., Henriquez, F. L., Roberts, C. W., 2005. Development of colorimetric microtiter plate assay for assessment of antimicrobials against Acanthamoeba. Journal of Clinical Microbiology 43(2), 629-634.

Mills, C., Carroll, A. R., Quinn, R. J., 2005. Acutangulosides A-F, monodesmosidic saponins from the bark of *Barringtonia acutangula*. Journal of Natural Products 68(3), 311-318.

Miles, T. D., McLaughlin, W., Brown, P. D., 2006. Antimicrobial resistance of *Escherichia coli* isolates from broiler chickens and humans. BMC Veterinary Research 2 (7) No pp. given.

Montoro, E., Lemus, D., Echemendia, M., Martin, A., Portaels, F., Palomino, J. C., 2005. Comparative evaluation of the nitrate reduction assay, the MTT test, and the resazurin microtitre assay for drug susceptibility testing of clinical isolates of *Mycobacterium tuberculosis*. Journal of Antimicrobial Chemotherapy 55(4), 500-505.

Moore, C. B., Walls, C. M., Denning, D. W., 2003. Comparison of three methods for *in vitro* susceptibility testing of *Candida* species with flucytosine. Journal of Antimicrobial Chemotherapy 51(2), 297-304.

Morris, C. A., Avorn, J., 2003. Internet marketing of herbal products. Journal of the American Medical Association, 290(11), 1505-1509.

Morris, L. J., Marshall, M. O., 1966. Occurrence of stearolic acid in Santalaceae seed oils. Chemistry and Industry 11, 460-461.

Morris, L. J., Marshall, M. O., Kelly, W., 1966. Unique furanoid fatty acid from *Exocarpus* seed oil. Tetrahedron Letters 7(36), 4249-4253.

Mukherjee, P. K., Saha, K., Das, J., Pal, M., Saha, B. P., 1997. Studies on the anti-inflammatory activity of rhizomes of *Nelumbo nucifera*. Planta Medica 63, 367-369.

National Committee for Clinical Laboratory Standards (NCCLS), 2001. Development of *in vitro* susceptibility testing criteria and quality control parameters. Approved standard M23-A2. National Committee for Clinical Laboratory Standards, Wayne, Pennsylvania.

NCCLS, 1999. Performance standards for antimicrobial susceptibility testing. National Committee for Clinical Laboratory Standards M100-S9. Wayne, Pennsylvania.

Nestmann, E. R., Harwood, M., Martyres, S., 2006. An innovative model for regulating supplement products: natural health products in Canada. Toxicology 221, 50-58.

Newman, D. J., Cragg, G. M., Snader, K. M., 2000. The influence of natural products upon drug discovery. Natural Product Reports 17(3), 215-234.

NH&MRC, 2005. Staying Healthy in Child Care. Preventing Infectious Disease in Child Care. 4th Edition. National Health and Medical Research Council, Canberra, ACT.

- O'Brien, J., Wilson, I., Orton, T., Pognan, F., 2000. Investigation of the Alamar Blue (resazurin) fluorescent dye for the assessment of mammalian cell cytotoxicity. European Journal of Biochemistry 267, 5421-5426.
- Ohtani, R., Ueda, H., Wada, Y., Ohgaya, T., Ohe, S., Hashido, H., 1996. Antimicrobial effect of berberine chloride. Nippon Byoin Yakuzaishikai Zasshi 32(7/8), 789-792.
- Okuda, T., 2005. Systematics and health effects of chemically distinct tannins in medicinal plants. Phytochemistry 66, 2012–2031.
- Pacheco, P., Albonico, S. M., Silva, M., 1973. Alkaloids, triterpenes, and other constituents of *Discaria crenata*. Phytochemistry 12(4), 954-5.
- Palombo, E. A., Semple, S. J., 2001. Antibacterial activity of traditional Australian medicinal plants. Journal of Ethnopharmacology 77, 151–157.
- Palombo, E. A., Semple, S. J., 2002. Antibacterial activity of Australian plant extracts against methicillin-resistant *Staphylococcus aureus* (MRSA) and vancomycin-resistant enterococci (VRE). Journal of Basic Microbiology 42, 444–448.
- Patocka, J., 2003. Biological active pentacyclic triterpenes and their current medicine signification. Journal of Applied Biomedicine 1, 7-12.
- Pavlova, N. I., Savinova, O. V., Nikolaeva, S. N., Boreko, E. I., Flekhter, O. B., 2003. Antiviral activity of betulin, betulinic and betulonic acids against some enveloped and non-enveloped viruses. Fitoterapia 74(5), 489-492.
- Pei, S. J., 2001. Ethnobotanical approaches of traditional medicine studies: some experiences from Asia. Pharmaceutical Biology 39, Supplement, 74-79.
- Pelter, A., Ward, R. S., 1976. Revised structures for pluviatilol, methyl pluviatilol and xanthoxylol. Tetrahedron 32, 2783-2788.
- Pennacchio, M., Kemp, A. S., Taylor, R. P., Wickens, K. M., Kienow, L., 2005. Interesting biological activities from plants traditionally used by Native Australians. Journal of Ethnopharmacology 96, 597–601.
- Pennacchio, M., Syah, Y. M., Ghisalberti, E. L., Alexander, E., 1996. Cardioactive compounds from *Eremophila* species. Journal of Ethnopharmacology 53, 21-27.
- Pepelnjak, S., Petricic, J., 1992. The antimicrobial effect of berberine and tincture berberidis. Pharmazie 47(4), 307-308.
- Powers, J. H., 2004. Antimicrobial drug development – the past, the present, and the future. Clinical Microbiology and Infection 10(Supplement 4), 23-31.
- Public Relations and Marketing, Macquarie University (PRMMU), 2004. Macquarie University and Bundjalung people to discuss bush medicine research partnership. October 12, 2004. <http://www.pr.mq.edu.au/events/archive.asp?ItemID=1656>.
- Qhotsokoane-Lusunzi, M. A., Karuso, P., 2001. Secondary metabolites from Basotho medicinal plants. II *Bulbine capitata*. Australian Journal of Chemistry 54, 427-430.

Quinn, R., Mills, C., 2005. Novel analgesic compounds, extracts containing same and methods of preparation. PCT Int. Appl. 103 pp. CODEN: PIXXD2 WO 2005051969 A1 20050609 CAN 143:48023 AN 2005:493616.

Rasadah, M. A., Khozirah, S., Aznie, A. A., Nik, M. M., 2004. Anti-inflammatory agents from *Sandoricum koetjape* Merr. Phytomedicine 11(2-3), 261-263.

Recio, M. C., Giner, R. M., Manez, S., Gueho, J., Julien, H. R., Hostettmann, K., Rios, J. L., 1995. Investigations on the steroidal anti-inflammatory activity of triterpenoids from *Diospyros leucomelas*. Planta Medica 61(1), 9-12.

Reyes, C. P., Nunez, M. J., Jimenez, I. A., Busserolles, J., Alcaraz, M. J., Bazzocchi, I. L., 2006. Activity of lupane triterpenoids from *Maytenus* species as inhibitors of nitric oxide and prostaglandin E₂. Bioorganic and Medicinal Chemistry 14(5), 1573-1579.

Rios, J. L.; Recio, M. C., 2005. Medicinal plants and antimicrobial activity. Journal of Ethnopharmacology 100(1-2), 80-84.

Riss, T., Moravec, R., 2003. Simplifying cytotoxicity screening: Introducing the CellTiter-Blue™ cell viability assay. Promega Notes (online) 83, 10-13. http://www.promega.com/pnotes/83/10492_10/10492_10.pdf. Accessed on 19/06/06.

Rodriguez, A. D., Ramirez, C., 2001. Serrulatane diterpenes with antimycobacterial activity isolated from the West Indian sea whip *Pseudopterogorgia elisabethae*. Journal of natural products 64(1), 100-2.

Rogers, K. L., Fong, W. F., Redburn, J., Griffiths, L. R., 2002. Fluorescence detection of plant extracts that affect neuronal voltage-gated Ca²⁺ channels. European Journal of Pharmaceutical Sciences 15, 321–330.

Rogers, K. L., Grice, I. D., Griffiths, L. R., 2000. Inhibition of platelet aggregation and 5-HT release by extracts of Australian plants used traditionally as headache treatments. European Journal of Pharmaceutical Sciences 9(4), 355–363.

Rogers, K. L., Grice, I. D., Griffiths, L. R., 2001. Modulation of *in vitro* platelet 5-HT release by species of *Erythrina* and *Cymbopogon*. Life Sciences 69, 1817–1829.

RREE, 2005a. Helping out for science. Richmond River Express Examiner (RREE), 12 October 2005. Casino.

RREE, 2005b. Scientists in training. Richmond River Express Examiner (RREE), 11 Nov 2005. Casino.

Sahm, D. F., Washington II, J. A., 1991. Antibacterial Susceptibility Testes: Dilution Methods. In: Balows, A., Hausler, W. J. (Eds.), Manual of Clinical Microbiology (5th Edition), ASM Press, Washington D. C. 1105-1116.

Salari, M. H., Eshraghi, S., Noroozi, M., 2001. Antibacterial effect of glycyrrhetic acid on 55 hospital strains of *Staphylococcus aureus* and 32 *Actinobacillus actinomycetemcomitans*. Journal of Faculty of Pharmacy, Tehran University of Medical Sciences 9(3 and 4), 37-39.

- Scalbert, A., 1991. Antimicrobial properties of tannins. *Phytochemistry* 30, 3875-3883.
- Schultes, R. E., von Reis, S., 1995. Ethnobotany: Evolution of a Discipline. Chapman and Hall, London, UK.
- Schwab, J. M., Schluesener, H. J., Laufer, S., 2003. COX-3: just another COX or the solitary elusive target of paracetamol? *Lancet* 361(9362), 981-982.
- Seebacher, W., Simic, N., Weis, R., Saf, R., Kunert, O., 2003. Complete assignments of ¹H and ¹³C NMR resonances of oleanolic acid, 18alpha-oleanolic acid, ursolic acid and their 11-oxo derivatives. *Magnetic Resonance in Chemistry* 41(8), 636-638.
- Selzer E., Pimentel, E., Wacheck, V., Schlegel, W., Pehamberger, H., Jansen, B., Kodym, R., 2000. Effects of betulinic acid alone and in combination with irradiation in human melanoma cells. *Journal of Investigative Dermatology* 114(5), 935-40.
- Semple, S. J., Nobbs, S. F., Pyke, S. M., Reynolds, G. D., Flower, R. L. P., 1999. Antiviral flavonoid from *Pterocaulon sphacelatum*, an Australian Aboriginal medicine. *Journal of Ethnopharmacology* 68(1-3), 283-288.
- Semple, S. J., Reynolds, G. D., O'Leary, M. C., Flower, R. L. P., 1998. Screening of Australian medicinal plants for antiviral activity. *Journal of Ethnopharmacology* 60, 163-172.
- Shah, A., Cross, R. F., Palombo, E. A., 2004. Identification of the antibacterial component of an ethanolic extract of the Australian medicinal plant, *Eremophila duttonii*. *Phytotherapy Research* 18, 615-618.
- Shale, T. L., Stirk, W. A., van Staden, J., 1999. Screening of medicinal plants used in Lesotho for anti-bacterial and anti-inflammatory activity. *Journal of ethnopharmacology* 67(3), 347-354.
- Sheldon, J. W., Balick, M., 1995. Ethnobotany. In: (Swanson, T. Ed.) Intellectual Property Rights and Biodiversity Conservation: An Interdisciplinary Analysis of the Value of Medicinal Plants. Cambridge University Press, Cambridge, UK.
- Shibata, S., 2000. A drug over the millennia: pharmacognosy, chemistry, and pharmacology of licorice. *Journal of the Pharmaceutical Society of Japan* 120(10), 849-862.
- Shiloh, M. U., Ruan, J., Nathan, C., 1997. Evaluation of bacterial survival and phagocyte function with a fluorescence-based microplate assay. *Infection and Immunity* 65(8), 3193-3198.
- Shimizu, T., Raadmark, O., Samuelsson, B., 1984. Enzyme with dual lipoxygenase activities catalyses leukotriene A₄ synthesis from arachidonic acid. *Proceedings of the National Academy of Sciences of the United States of America* 81(3), 689-93.
- Siddiqui, S., Hafeez, F., Begum, S., Siddiqui, B. S., 1998. Oleanderol, a new pentacyclic triterpene from the leaves of *Nerium oleander*. *Journal of Natural Products* 51(2), 229-33.
- Siegle, I., Klein, T., Backman, J. T., Saal, J. G., Nusing, R. M., Fritz, P., 1998. Expression of cyclooxygenase 1 and cyclooxygenase 2 in human synovial tissue: differential elevation

of cyclooxygenase 2 in inflammatory joint diseases. *Arthritis and Rheumatism* 41(1), 122-129.

Sin, K. K., Chan, C. P. Y., Pang, T. H., Seydack, M., Renneberg, R., 2006. A highly sensitive fluorescent immunoassay based on avidin-labelled nanocrystals. *Analytical and Bioanalytical Chemistry* 384(3), 638-644.

Singh, B., Sahu, P. M., Sharma, M. K., 2002. Anti-inflammatory and antimicrobial activities of triterpenoids from *Strobilanthes callosus* Nees. *Phytomedicine* 9(4), 355-359.

Smith, C. A., 1999. Identification of antibacterial agents in *Exocarpos aphyllus*. Thesis for Bachelor of Medicinal Chemistry with Honours. Department of Chemistry, University of Wollongong.

Smith, N. M., 1991. Ethnobotanical field notes from the Northern Territory, Australia. *Journal of the Adelaide Botanic Gardens* 14(1), 1-65.

Smith, W. L., DeWitt, D. L., Garavito, R. M., 2000. Cyclooxygenases: structural, cellular, and molecular biology. *Annual Review of Biochemistry* 69, 145-82.

Soler, F., Poujade, C., Evers, M., Carry, J. C., Henin, Y., Bousseau, A., Huet, T., Pauwels, R., De Clercq, E., Mayaux, J. F., Le Pecq, J. B., Dereu, N., 1996. Betulinic acid derivatives: a new class of specific inhibitors of human immunodeficiency virus type 1 entry. *Journal of medicinal chemistry* 39(5), 1069-83.

South Australian Museum, 2000. Tindale's Catalogue of Australian Aboriginal Tribes. South Australian Museum Web Site. Australian Aboriginal Tribes.
<http://www.samuseum.sa.gov.au/archives/hdms/aa338/tindaletribes/kamilaroi.htm> and
<http://www.samuseum.sa.gov.au/archives/hdms/aa338/tindaletribes/morowari.htm>. Accessed on 01 May 2006.

Spjut, R. W., Perdue, R. E. Jr., 1976. Plant folklore: a tool for predicting sources of antitumor activity? *Cancer Treatment Reports* 60(8), 979-985.

Stanley, T. D., Ross, E. M., 1983. Flora of South-Eastern Queensland. Volume 1. Queensland Department of Primary Industries, Brisbane, Queensland.

Suffness, M., Douros, J., 1982. Current status of the NCI plant and animal product program. *Journal of Natural Products* 45(1), 1-14.

Sundarrao, K., Jones, G. P., Rivett, D. E., Tucker, D. J., 1992. Occurrence of santalbic acid in *Exocarpus sparteus* and *Exocarpus aphyllus* seed oils. *Oleagineux* 47(2), 91-2.

Sweeney, A. P., Wyllie, S. G., Shalliker, R. A., Markham, J. L., 2001. Xanthine oxidase inhibitory activity of selected Australian native plants. *Journal of Ethnopharmacology* 75, 273-277.

Syah, Y. M., Ghisalberti, E. L., 1997. Serrulatane diterpenes from a new *Eremophila* species. *Phytochemistry* 45(7), 1479-1482.

- Szuster-Ciesielska, A., Kandefer-Szerszen, M., 2005. Protective effects of betulin and betulinic acid against ethanol-induced cytotoxicity in hepG2 cells. *Pharmacological Reports* 57(5), 588-595.
- Tinto, W. F., Blair, L. C., Alli, A., Reynolds, W. F., McLean, S., 1992. Lupane triterpenoids of *Salacia cordata*. *Journal of Natural Products* 55(3), 395-8.
- Tippett, L. M., Massy-Westropp, R. A., 1993. Serrulatane diterpenes from *Eremophila duttonii*. *Phytochemistry* 33(2), 417-421.
- Tuxill, J., Nabhan, G. P., 2001. People, Plants and Protected Areas: a guide to *in situ* management. UNESCO / Earthscan, London.
- U.S. Food and Drug Administration, 2005. FDA News (7th April, 2005). FDA announces series of changes to the class of marketed non-steroidal anti-inflammatory drugs (NSAIDs). <http://www.fda.gov/bbs/topics/news/2005/NEW01171.html>. Accessed on 01 May, 2006.
- United Nation, 1994. Draft United Nations declaration on the rights of Indigenous peoples. Geneva, Switzerland, United Nations.
- Utsunomiya T, Chavali S R, Zhong W W, Forse R A., 2000. Effects of sesamin-supplemented dietary fat emulsions on the *ex vivo* production of lipopolysaccharide-induced prostanoids and tumor necrosis factor alpha in rats. *The American Journal of Clinical Nutrition* 72(3), 804-808.
- Vane, J. R., Bakhle, Y. S., Botting, R. M., 1998. Cyclooxygenases 1 and 2. *Annual Review of Pharmacology and Toxicology* 38, 97-120.
- Vane, J. R., Mitchell, J. A., Appleton, I., Tomlinson, A., Bishop-Bailey, D., Croxtall, J., Willoughby, D. A., 1994. Inducible isoforms of cyclooxygenase and nitric-oxide synthase in inflammation. *Proceedings of the National Academy of Sciences of the United States of America* 91(6), 2046-2050.
- Vasconcellos, M. C., Montenegro, R. C., Militao, G. C. G., Fonseca, A. M., Pessoa, O. D. L., Lemos, T. L. G., Pessoa, C., Moraes, M. O., Costa-Lotufo, L. V., 2005. Bioactivity of biflorin, a typical *o*-naphthoquinone isolated from *Capraria biflora* L. *Zeitschrift fuer Naturforschung, C: Journal of Biosciences* 60(5/6), 394-398.
- Volk, W. A., Gebhardt, B. M., Hammarskjöld, M.-L., Kadner, R. J., 1996. *Essentials of Medical Microbiology* (5th Edition). Lippincott-Raven Publishers, Philadelphia.
- Wanandy, S. T., 2005. Optimisation of the fluorescein diacetate antibacterial assay and its application in the evaluation of the medicinal plant *Exocarpos aphyllus*. Thesis for Master of Science. Department of Chemistry, Macquarie University.
- Wanandy, S., Brouwer, N., Liu, Q., Mahon, A., Cork, S., Karuso, P., Vemulpad, S., Jamie, J., 2005. Optimisation of the fluorescein diacetate antibacterial assay. *Journal of Microbiological Methods* 60, 21-30.
- Wang, Z. Y., Nixon, D. W., 2001. Licorice and cancer. *Nutrition and Cancer* 39(1), 1-11.

Warner, T. D., Mitchell, J. A., 2002. Cyclooxygenase-3 (COX-3): filling in the gaps toward a COX continuum? *Proceedings of the National Academy of Sciences of the United States of America* 99(21), 13371-13373.

Weber, H. 1998. Australian Plants in their own Garden: Bush Tales from the northern Flinders Ranges. Australian Plants online. Accessed on 05 May, 2006. <http://farrer.riv.csu.edu.au/ASGAP/APOL11/sep98-1.html>.

World Health Organisation (WHO), 2002. Fact Sheet No. 194. Antimicrobial resistance. WHO, Geneva.

World Health Organisation, 2003a. Fact sheet No. 134: Traditional medicine. WHO, Geneva.

World Health Organisation, 2003b. World Health Report 2003. WHO, Geneva.

Xiao, P. G., 1994. Ethnopharmacological investigation of Chinese medicinal plants. In: Ethnobotany and the Search for New Drugs. Ciba Foundation Symposium 185.

Xu, R. S., Chen, Z. L., 1983. Extraction and isolation of bioactive constituents from Traditional Chinese Medicines. Shanghai Science and Technology Press, Shanghai, China.

Yung, A., McDonald, M., Spelman, D., Street, A., Johnson, P., Sorrell, T., McCormack, J., 2005. Infectious Diseases: A clinical approach. Second edition. IP Communications, Melbourne.

Zalata, A. A., Lammertijn, N., Christophe, A., Comhaire, F. H., 1998. The correlates and alleged biochemical background of the resazurin reduction test in semen. *International Journal of Andrology* 21(5), 289-94.

Zhang, W. S., Li, A. L., 1999. Medicinal Chemistry. Higher Education Press, Beijing.

Zhang, Y., Jayaprakasam, B., Seeram, N. P., Olson, L. K., DeWitt, D., Nair, M. G., 2004. Insulin Secretion and Cyclooxygenase Enzyme Inhibition by Cabernet Sauvignon Grape Skin Compounds. *Journal of Agricultural and Food Chemistry* 52(2), 228-233.

Zhang, Y., Shaffer, A., Portanova, J., Seibert, K., Isakson, P. C., 1997. Inhibition of cyclooxygenase-2 rapidly reverses inflammatory hyperalgesia and prostaglandin E₂ production. *Journal of Pharmacology and Experimental Therapeutics* 283(3), 1069-1075.

Zhu, Y. P., 1998. Chinese Materia Medica. Chemistry, Pharmacology and Applications. Harwood Academic Publishers, Amsterdam, The Netherlands.

References for the ethnobotanical database

1. Agrawal, A., Srivastava S., Srivastava, J. N., Srivastava, M. M., 2004. Inhibitory effect of the plant *Boerhavia diffusa* L. against the dermatophytic fungus *Microsporum fulvum*. Journal of Environmental Biology 25(3), 307-11.
2. Alkofahi, A., Masaadeh, H., Al-Khalil, S., 1996. Antimicrobial evaluation of some plant extracts of traditional medicine of Jordan. Alexandria Journal of Pharmaceutical Sciences 10(2), 123-126.
3. Allam, K., Beutler, J. A., Le Quesne, P. W., 1987. 14-Ketoalstonidine and other alkaloidal constituents of the stem bark of *Alstonia constricta*. Journal of Natural Products 50(4), 623-5.
4. Altman, R., Rouvier, J., Weisenberger, H., 1985. Identification of platelet inhibitor present in the melon (Cucurbitaceae, *Cucumis melo*). Thrombosis and Haemostasis 53(3), 312-13.
5. Australian National Botanic Gardens (online). <http://www.anbg.gov.au/anbg/>. Accessed on 28 June, 2006.
6. Barr, A., Chapman, J., Smith, N., Beveridge, M., Knight, T., Alexander, V., Andrews, M., 1988. Traditional Bush Medicines: An Aboriginal Pharmacopoeia. Aboriginal Communities of the Northern Territory of Australia. Greenhouse Publications, Richmond, Victoria.
7. Barr, A., Chapman, J., Smith, N., Wightman, G., Knight, T., Mills, L., Andrews, M., Alexander, V., 1993. Traditional Aboriginal Medicines in the Northern Territory of Australia. Conservation Commision of the Northern Territory of Australia. Darwin, Northern Territory.
8. Bignell, C. M., Dunlop, P. J., Brophy, J. J., 1997. Volatile leaf oils of some Queensland and northern Australian species of the genus *Eucalyptus* (series II). Part II. Subgenera (a) *Blakella*, (b) *Corymbia*, (c) unnamed, (d) *Idiogenes*, (e) *Monocalyptus* and (f) *Sympyomyrtus*. Flavour and Fragrance Journal 12(4), 277-284.
9. Bradfield, A. E., Francis, E. M., Penfold, A. R., Simonsen, J. L., 1936. Lanceol, a sesquiterpene alcohol from the oil of *Santalum lanceolatum*. Journal of the Chemical Society, (volume unknown), 1619-25.
10. Brophy, J. J., Lassak, E. V., 1992. Steam volatile leaf oils of some *Melaleuca* species from Western Australia. Flavour and Fragrance Journal 7(1), 27-31.
11. Brown, R. F. C., Gilham, P. T., Hughes, G. K., Ritchie, E., 1954. The chemical constituents of Australian *Flindersia* species. V. The constituents of *Flindersia maculosa*. Australian Journal of Chemistry 7, 181-8.
12. Carew, D. P., 1965. Reserpine in a tissue culture of *Alstonia constricta*. Nature (London, United Kingdom) 207(4992), 89.

13. Choi, B.-R., Hong, S. S., Han, X. H., Hwang, J. S., Lee, M. H., Hur, J. D., Hwang, B. Y., Ro, J. S., 2005. Antioxidant constituents from *Portulaca oleracea*. Natural Product Sciences 11(4), 229-232.
14. Cooke, R. G., Johnson, B. L., 1963. Coloring matters of Australian plants. XI. Quinones from *Ventilago viminalis*. Australian Journal of Chemistry 16(4), 695-702.
15. Cooke, R. G., Johnson, B. L., 1965. Ventilagone: a new naphthoquinone from *Ventilago viminalis*. Bulletin of the National Institute of Sciences of India 28, 66-8.
16. Cunningham, G. M., Mulham, W. E., Milthorpe, P. L., Leigh, J. H., 1981. Plants of Western New South Wales. NSW Government Printing Office, NSW.
17. Dayal, R., 1982. Occurrence of ursolic acid in Eucalyptus leaves. Current Science 51(20), 997-8.
18. Errington, S. G., Jefferies, P. R., 1988. Triterpenoid saponins of *Pittosporum phillyraeoides*. Phytochemistry 27(2), 543-5.
19. Eskander, E. F., Won Jun, H., 1995. Hypoglycemic and hyperinsulinemic effects of some Egyptian herbs used for the treatment of diabetes mellitus (type II) in rats. Egyptian Journal of Pharmaceutical Sciences 36(1-6), 331-41.
20. Ghisalberti, E. L., Jefferies, P. R., Mori, T. A., Twiss, E., 1994. New cembrene diterpenes from the resins of *Eremophila* species. Journal of Natural Products 57(1), 100-4.
21. Ghisalberti, E. L., Jefferies, P. R., Selton, M. A., 1973. New lupene diol from *Dodonaea attenuata*. Phytochemistry (Elsevier) 12(5), 1125-9.
22. Grice, I. D., Garhnam, B., Pierens, G., Rogers, K., Tindal, D., Griffiths, L. R., 2003. Isolation of two phenylethanoid glycosides from *Eremophila gilesii*. Journal of Ethnopharmacology 86(1), 123-125.
23. Han, A. Y. T., van Gorkom, L., McFarlane, I. J., Barrow, K. D., 1995. Prosapogenins from *Dodonaea attenuata*. Phytochemical Analysis 6(3), 157-63.
24. Hanousek, M., Ganesh, P., Walaszek, Z., Arntzen, C. J., Slaga, T. J., Guterman, J. U., 2001. Avicins, a family of triterpenoid saponins from *Acacia victoriae* (Bentham), suppress H-ras mutations and aneuploidy in a murine skin carcinogenesis model. Proceedings of the National Academy of Sciences of the United States of America 98(20), 11551-11556.
25. Hunter, J., 2005. Comparative Study of Traditional Aboriginal Knowledge and Science. Thesis for Masters of Indigenous Studies (research) degree. Macquarie University.
26. Isaacs, J., 1987. Bush Food: Aboriginal Food and Herbal Medicine, Lansdowne, Sydney NSW.
27. James, K. W., 1983. Analysis of Indigenous Australian foods. Food Technology in Australia 35(7), 342-3.

28. Jayatilake, G. S., Freeberg, D. R., Liu, Z., Richheimer, S. L., Blake, M. E., Bailey, D. T., Haridas, V., Guterman, J. U., 2003. Isolation and structures of Avicins D and G: *In vitro* tumor-inhibitory saponins derived from *Acacia victoriae*. Journal of Natural Products 66(6), 779-783.
29. Jirovetz, L., Koch, H. P., Jaeger, W., Fritz, G., Resl, G., 1993. Purslane (*Portulaca oleracea*). Investigation of its constituents by chromatographic and spectroscopic methods for the study of its reported cholesterol-reducing properties. Ernaehrung (Vienna, Austria) 17(4), 226-7.
30. Jones, G. P., Rao, K. S., Tucker, D. J., Richardson, B., Barnes, A., Rivett, D. E., 1995. Antimicrobial activity of santalbic acid from the oil of *Santalum acuminatum* (Quandong). International Journal of Pharmacognosy 33(2), 120-3.
31. Lassak, E. V., Brophy, J. J., 2004. Steam volatile leaf oils of some Western Australian species of the family Myrtaceae. Flavour and Fragrance Journal 19(1), 12-16.
32. Latz, P. K., 1995. Bushfires and Bushtucker: Aboriginal Plant Use in Central Australia. IAD Press, Alice Springs, NT.
33. Li, R. W., Myers, S. P., Leach, D. N., Lin, G. D., Leach, G., 2003. A cross - cultural study: anti-inflammatory activity of Australian and Chinese plants. Journal of Ethnopharmacology 85(1), 25-32.
34. Low, T., 1990. Bush Medicine: a Pharmacopoeia of Natural Remedies, Angus and Robertson, North Ryde, NSW.
35. Massy-Westropp, R. A., Reynolds, G. D., 1966. Eremophilane sesquiterpenes from *Eremophila mitchelli*. Australian Journal of Chemistry 19(2), 303-7.
36. Mulholland, D. A., Taylor, D. A. H., 1992. Limonoids from Australian members of the Meliaceae. Phytochemistry 31(12), 4163-6.
37. New South Wales Flora Online. <http://plantnet.rbgsyd.gov.au/>.
38. Newbold, C. J., el Hassan, S. M., Wang, J., Ortega, M. E., Wallace, R. J., 1997. Influence of foliage from African multipurpose trees on activity of rumen protozoa and bacteria. The British Journal of Nutrition 78(2), 237-49.
39. Nguyen, T. T., Lai, T. V., Neguyen, T. T. H., Vu, N. L., 1994. Study of the cough suppression activity of *Eucalyptus camaldulensis* and *E. exserta*. Tap Chi Duoc Hoc (1), 18-19.
40. Orisakwe, O. E., Afonne, O. J., Chude, M. A., Obi, E., Dioka, C. E., 2003. Sub-chronic toxicity studies of the aqueous extract of *Boerhavia diffusa* leaves. Journal of Health Science 49(6), 444-447.
41. Oyedeffi, A. O., Ekundayo, O., Olawore, O. N., Adeniyi, B. A., Koenig, W. A., 1999. Antimicrobial activity of the essential oils of five *Eucalyptus* species growing in Nigeria. Fitoterapia 70(5), 526-528.

42. Palombo, E. A., Semple, S. J., 2001. Antibacterial activity of traditional Australian medicinal plants. *Journal of Ethnopharmacology* 77, 151–157.
43. Pari, L., Satheesh, M. A., 2004. Antidiabetic effect of *Boerhavia diffusa*: effect on serum and tissue lipids in experimental diabetes. *Journal of Medicinal Food* 7(4), 472-6.
44. Pennacchio, M., Syah, Y. M., Ghisalberti, E. L., Alexander, E., 1996. Cardioactive compounds from *Eremophila* species. *Journal of Ethnopharmacology* 53(1), 21-27.
45. Plouvier, V., 1961. Study of cyclitols in some Apocynaceae and Myrtaceae; presence of L-quercitol in *Eucalyptus populnea*. *Compt. Rend.* 253, 3047-9.
46. Prager, R. H., Ritchie, E., Taylor, W. C., 1960. The chemical constituents of Australian *Flindersia* species. XI. The structures of maculosidine and maculosine, two alkaloids from *F. maculosa*. *Australian Journal of Chemistry* 13 380-4.
47. Rasmussen, M., Ridley, D. D., Ritchie, E., Taylor, W. C., 1968. Chemical studies of the proteaceae. III. Structure determination and synthesis of striatol, a phenol from *Grevillea striata*. *Australian Journal of Chemistry* 21(12), 2989-99.
48. Rogers, K. L., Fong, W. F., Redburn, J., Griffiths, L. R., 2002. Fluorescence detection of plant extracts that affect neuronal voltage-gated Ca^{2+} channels. *European Journal of Pharmaceutical Sciences* 15(4), 321-330.
49. Rogers, K. L., Grice, I. D., Griffiths, L. R., 2000. Inhibition of platelet aggregation and 5-HT release by extracts of Australian plants used traditionally as headache treatments. *European Journal of Pharmaceutical Sciences* 9(4), 355-363.
50. Rogers, K. L., Grice, I. D., Griffiths, L. R., 2001. Modulation of *in vitro* platelet 5-HT release by species of *Erythrina* and *Cymbopogon*. *Life Sciences* 69(15), 1817-1829.
51. Roufogalis, B. D., Li, Q., Tran, V. H., Kable, E. P. W., Duke, C. C., 1999. Investigation of plant-derived phenolic compounds as plasma membrane Ca^{2+} -ATPase inhibitors with potential cardiovascular activity. *Drug Development Research* 46(3/4), 235-249.
52. Saleem, M., Ahmad, M., Ahmad, A., Kokhar, I., 1992. Phytochemical evaluation of *Acacia aneura*. *Science International (Lahore)* 4(4), 385-6.
53. Satheesh, M. A., Pari L, 2004. Antioxidant effect of *Boerhavia diffusa* L. in tissues of alloxan induced diabetic rats. *Indian Journal of Experimental Biology* 42(10), 989-92.
54. Semple, S. J., Reynolds, G. D., O'Leary, M. C., Flower, R. L., 1998. Screening of Australian medicinal plants for antiviral activity. *Journal of Ethnopharmacology* 60(2), 163-72.
55. Smith, N. M., 1991. Ethnobotanical field notes from the Northern Territory, Australia. *Journal of the Adelaide Botanic Gardens* 14(1), 1-65.
56. Sproston, T., Jr., Little, J. E., Foote, M. W., 1948. Antibacterial and antifungal substances from Vermont plants. *Vermont Agr. Expt. Sta., Bull.* 543, 3-7.

57. Sundarao, K., Jones, G. P., Rivett, D. E., Tucker, D. J., 1992. Occurrence of santalbic acid in *Exocarpus sparteus* and *Exocarpus aphyllus* seed oils. *Oleagineux* 47(2), 91-2.
58. Wahi, A. K., Agrawal, V. K., Gupta, R. C., 1997. Phytochemical and pharmacological studies on *Boerhavia diffusa* Linn. (*Punarnava*) alkaloids. *National Academy Science Letters (India)* 20(9 and 10), 119-123.
59. Xu, X., Yu, L., Chen, G., 2006. Determination of flavonoids in *Portulaca oleracea* L. by capillary electrophoresis with electrochemical detection. *Journal of Pharmaceutical and Biomedical Analysis* 41(2), 493-499.