

BIBLIOGRAPHY

- Adam, S.S., Hebborn, P., Nichols, J.S. 1968. Pharmacology of ibufenac a nonsteroidal anti & hyphen ; inflammatory. *Journal of Pharmacy and Pharmacology*, 20: 305-312.
- Agarwal, R.B., Rangari, V.D. 2003. Phytochemical investigation and evaluation anti-inflammatory and anti-arthritic activities of essential oil of *Strobilanthus ixiocephala* Benth.. *Indian Journal of Experimental Biology*, 41(8): 890-894.
- Aitchison, E.J., Blarke, P.S., Byrne, J.O., Eager, K., Farenden, W.M., Funnell, S.T., Jefferson, S.L., Mcglashan, J.M., Moore, D.D., Neathercoat, G.C., Rourke, A.O., Qureshi, S.J., Riley, K.S. 1993:a. Analgesics and Anti-inflammatory Agents. Reynolds E.F. (ed). Martindale: The extra pharmacopoeia (13th ed), London, England. The pharmaceutical press, pp.3-7.
- Aitchison, E.J., Blarke, P.S., Byrne, J.O., Eager, K., Farenden, W.M., Funnell, S.T., Jefferson, S.L., Mcglashan, J.M., Moore, D.D., Neathercoat, G.C., Rourke, A.O., Qureshi, S.J., Riley, K.S. 1993:b. Opioid Analgesia. Reynolds E.F. (ed). Martindale: The extra pharmacopoeia (13th ed), London, England. The pharmaceutical press pp. 685-687.
- Akio, M., Tomoki, N., Tatsuo, W., Takuya, O., Naotoshi, M. 1988. Pattern differences in experimental fever induced by endotoxin endogenous pyrogen and prostaglandins. *American Journal of Physiology*, 254: 633-640.
- Al-Ghamdi, M.S. 2001. The anti-inflammatory, analgesic and antipyretic activity of *Nigella sativa*. *Journal of Ethnopharmacology*, 76:45-48.
- Apisariyakul, A., Anantasarn, V. 1984. A Pharmacological Study of the Thai Medical Plants

Used as Cathartics and Antispasmodics, in Abstr 10th Conference of Science and Technology Thailand, Chiangmai University. Chiangmai, Thailand, pp. 452-453.

Asongalem, E.A., Foyet, H.S., Ekobo, S., Dimo, T., Kamtchouing, P. 2004. Antiinflammatory, lack of central analgesia and antipyretic properties of *Acanthus montanus* (Ness) T. Anderson. *Journal of Ethnopharmacology*, 95: 63-68.

Aunpak, J., Sriubolmas N., De-Eknamkul, W., Ruangrunsi, N. 1997. Essential Oils of *Piper sarmentosum*: Chemical Composition and Antimicrobial activity in Abstr 23th Congress on Science and Technology of Thailand, Chiangmai University. Chiangmai, Thailand, pp. 264-265.

Balestrieri, F., Fisher, S. 1994. Analgesics. Chernow B. (ed.). The pharmacologic approach to the critically ill patients (3rd ed), Maryland, USA. William and Wilkins. pp. 640- 643.

Baumann, T.J. 1993. Pain management. DiPiro J.T., Talbert R.L., Hayes P.G., Yee G.C., Matzke G.R. and Posey L.M. (eds.). Pharmacotherapy: A pathophysiologic approach (2nd ed), New Jersey, USA. Appleton and Lange, pp. 931-933.

Bars, D., Gozariu, M., Cadden, S.W. 2001. Animal models of nociception. *Pharmacological Reviews*, 53: 597-652.

Belvisi, M.G., Chung, D.M., Barnes, P.J. 1998. Opioid modulation of non-cholinergic neural bronchoconstriction in guinea-pig in vivo. *British Journal of Pharmacology*, 95: 413-418.

Benedetti, C., Butler, S.H. 1990. Systemic analgesics: The management of pain. Benedetti C. (ed.), London, United Kingdom. Lea and Febiger, pp. 1640-1675.

- Beyers, V.L. 1991. Drugs that provide pain relief. Kunn M.M. (ed.). *Pharmaco-therapeutics: A nursing process approach* (2nd ed), Philadelphia, USA. F.A. David, pp. 452-455.
- Bonica, J.J. 1980. Pain research and therapy: Past and current status and future needs. Bonica J.J. (ed.). *Pain discomfort and humanitarian*, New York, USA. Elsevier, pp. 20-46.
- Brestel, E.P. , Dyke, K.V. 1990. Lipid mediators of Homeostasis and Inflammation. Craig C.R., Stitzel R.E. (eds.). *Modern pharmacology* (3rd ed), Boston, USA. Little Brown, pp. 561-569.
- Brestel, E.P., Dyke, K.V. 1997. Anti-inflammatory and Anti-rheumatic drugs. Craig C.R., Stitzel R.E. (eds.). *Modern pharmacology with clinical application* (5th ed), New York, USA. Little Brown, pp. 460-462.
- Brown, J.L. 1979. Touch, Temperature and Pain. Brobeck J.R. (ed.). *Physiology Basis of Medical Practice* (10th ed), Baltimore, USA. Williams and Wilkins, 8: 137-149.
- Bruce, R.D. 1985. An up-and down procedure for acute toxicity. *Fundamental and Applied Toxicology*, 5: 151-157
- Carlson, D., Mass, D.L., White, D.J., Tan, J., Horton, J.W. 2006. Antioxidant vitamin therapy alters sepsis-related apoptotic myocardial activity and inflammatory responses. *American Journal of Physiology-Heart and Circulatory Physiology*, xx: xxx-xxx.
- Chanwitheesuk, A., Teerawutgulrag, A., Rakariyathan, N. 2004. Screening of antioxidant compounds of some edible plants of Thailand. *Food Chemistry*, 92: 491-497.

- Chau, T. 1989. Pharmacology Methods in the Control of Inflammation. In Modern Methods in Pharmacology, vol. V, New York, USA. Alan. R. Liss., pp. 195-212.
- Coggeshall, R.E., Carlton, S.M. 1997. Receptor localization in the mammalian dorsal horn and primary neurons. *Brain Research Reviews*, 24: 28-66.
- Colasanti, B.K. 1990:a. Non-narcotic analgesics and antipyretic. Craig C.R., Stitzel R.E. (eds.). Modern Pharmacology (3rd ed), New York, USA. Little Brown, pp. 509-514.
- Colasanti, B.K. 1990:b. Narcotic Analgesics and Antagonists. Craig C.R., Stitzel R.E. (eds.). Modern Pharmacology (3rd ed), New York, USA. Little Brown, pp. 517-528.
- Collier, H.O., Dinneen, L.C., Johnson, C.A. Schneider, C. 1968. The abdominal constriction response and its suppression by analgesic drugs in the mouse. *British Journal of Pharmacology*, 32: 295-310.
- Cowan, A. 1990. Recent approaches in the testing of analgesic in animals. Methods in Pharmacology. Testing and Evaluation of Drugs of Abuse, vol.6. Wiley Liss, pp. 33-42.
- Crunkhon, P., Meacock, S.E.R. 1971. Mediators of the inflammation induced in the rat paw by carrageenan. *British Journal of Pharmacology*, 42: 392-402.
- Day, R., Quinn, D., Williams, K., Handel, M., Brooks, P. 2000. Connective tissue and Bone Disorders Carruthers S.G., Hoffman B.B., Melman K.L., Nierenberg D.W. (eds.). Clinical Pharmacology (4th ed), USA. McGraw Hill, pp. 652-661.
- Denis, E. 2003. Blood components Immunity and Hemostasis. Rhoades R.A., Tanner G.A. (eds.). Medical physiology (2nd ed), Philadelphia, USA. Williams and Wilkins, pp. 201-204.

- Deraedt, R., Jouquey, S., Delevallee, F., Flauhau, T.M. 1980. Release of prostaglandins E and F in an analgesic reaction and its inhibition. *European Journal of Pharmacology*, 61: 17-21.
- Deraniyagala, S.A., Ratnasooriya, W.D., Goonasekara, C.L. 2003. Antinociceptive effect and toxicological study of the aqueous bark extract of *Barringtonia nacemosa* on rats. *Journal of Ethnopharmacology*, 86: 21-26.
- DeVane, C.L. 2001. Substance P: A New Era, A New role. *Pharmacotherapy*, 21(9): 1061-1069.
- DiRosa, M., Giroud, J.P., Willoughby, D.A. 1971. Studies of the acute inflammatory response induced in rats in different sites by carrageenan and turpentine. *Journal of Pathology*, 104: 15-29.
- Dubuisson, D., Dennis, S.G. 1977. The formalin test: a quantitative study of the analgesic effects of morphine, meperidine and brain stem stimulation in rats and cats. *Pain*, 4: 161-174.
- D'Amour, F.E., Smith, D.L. 1941. A method for determining loss of pain sensation. *Journal of Pharmacology and Experimental Therapeutics*, 72: 74-79.
- Elisabetsky, E., Amador, T.A., Albuquerque, R.R., Nunes, D.S., Carvalho, A.C.T. 1995. Analgesic activity of *Psychotria colorata* (Wild ex R.&S.) Muell Arg. Alkaloids. *Journal of Ethnopharmacology*, 48: 77-83.
- Ellenhorn, M.J., Schonwald, S., Ordog, G., Wasserberger, J. 1997. Chemical. Ellenhorn M.J. (eds.). *Ellenhorn's Medical Toxicology* (2nd ed), Pennsylvania, USA. William and Wilkins, pp. 1214-1217.
- Ernest, C.F. 1993. Heat control and temperature regulation. Sperelakis N., Banks R.O. (eds.). *Physiology* (1st ed), Boston, USA. Little brown, pp. 839-850.

- Fantone, J.C., Ward, P.A. 1999. Inflammation. Rubin E., Faber J.L. (eds.). Pathology (3rd ed), New York, USA. Lippincott-Raven, pp. 37-75.
- Fields, H.L. 1987. Analgesic drugs. Day W. (ed.). Pain (1st ed). USA. MacGraw-Hill, pp. 272
- Franzotti, E.M., Santo, S.C.V., Rodrigues, H.M.S., Mourao, R.H.V., Andrade, M.R., Antonioli, A.R. 2002. Anti-inflammatory, analgesic and acute toxicity of *Sida cordifolia* L.. *Journal of Ethnopharmacology*, 72: 273-278.
- Foegh, M.L., Ramwell, P.W. 2001. The eicosanoids : Prostaglandins, Thromboxanes, Leukotrienes and Related compound. Katzung B.G. (ed.). Basic and clinical pharmacology (8th ed), San Francisco, USA. McGraw Hill, pp. 311-324
- Ganong, W.F. 2001:a. Cutaneous, deep, visceral sensation. Foltin J., Nogueira I., Ransom J. Sheinis L.A. (eds.). Review of medical physiology (20th ed), New York, USA. McGraw Hill, pp. 132-142.
- Ganong, W.F. 2001:b. Cardiovascular Homeostasis in Health and Disease. Foltin J.,Nogueira I. Ransom J., Sheinis L.A (eds.). Review of Medical Physiology (12th ed),New York, USA. McGraw Hill, pp. 722-724.
- Giusti, P., Carrara, M., Cima, L., Borin, G. 1985. Antinociceptive effect of some carboxypeptidase A inhibitors in comparison with D-phenylalanine. *European Journal of Pharmacology*, 116(3): 287-292.
- Goodman, H.M. 1992. Adrenal gland. Johnson L.R. (ed.). Essential Medical Physiology, New York, USA. Raven, pp. 592-594.
- Gupta, M., Mazumder, U.K., Kumar, R.S., Gomathai, P., Rajeshwar, Y., Kakoti, B.B., Selven, V.T. 2005. Anti-inflammatory, analgesic and antipyretic effects of methanol

extract from *Bauhinia racemosa* stem bark in animal models. *Journal of Ethnopharmacology*, 98: 267-273.

Gutstein, H.B., Akil, H. 2001. Opioid Analgesics. Hardman J.G., Limbird L.E. (eds.). Goodman and Gilman : The pharmacological Basis of Therapeutics (10th ed), USA. McGraw-Hill, pp. 573-619.

Guyton, A.C. 1971. Pain. Guyton A.C. (ed.). Textbooks of Medical Physiology (2nd ed), Philadelphia, USA. Saunders, pp. 571-581.

Guyton, A.C. 1992. Pain, Headache and Thermal sensations. Guyton A.C. (ed.). Human physiology and mechanisms of disease (5th ed), Philadelphia, USA. Saunders, pp. 357-362.

Guyton, A.C. 1997. Somatic sensations : Pain, Visceral pain, Headache and Thermal sensations. Guyton A.C.(ed.). Textbooks of medical physiology (4th ed), Philadelphia, USA. Saunders, pp. 577-591.

Guyton, A.C., Hall, J.E. 2000:a. Metabolism and Temperature Regulation. Guyton A.C., Hall J.E. (eds.). Textbook of Medical Physiology (10th ed), Philadelphia, USA. Saunders, pp. 826-832.

Guyton, A.C., Hall, J.E. 2000:b. Resistance of the Body to infection: Leukocytes, Monocyte-Macrophage System, Inflammation. In Guyton A.C., Hall J.E. (eds.). Textbook of Medical Physiology (10th ed), Philadelphia, USA. Saunders, pp. 309-340.

Howard, M. 1993. Fever: causes and consequences. *Neuroscience Biobehavioural Review*, 17: 237-269.

Hunskar, S., Fasmer, O.B., Hole, K. 1985. Formalin test in mice, a useful technique for

- evaluating mild analgesics. *Journal of Neuroscience Methods*, 14: 69-76.
- Hunskar, S., Hole, K. 1997. The formalin test in mice-dissociation between inflammatory and non-inflammatory pain. *Pain*, 30: 103-114.
- Ikeda, Y., Ueno, A., Naraba, H., Oh-ishi, S. 2001. Involvement of vanilloid receptor VR1 and prostanooids in the acid-induced writhing responses of mice. *Life Science*, 69: 2911-2919.
- Iwalewa, E.O., Iwalewa, O.J., Adeboye, J.O. 2003. Analgesic, antipyretic, anti-inflammatory effects of methanol, chloroform and ether extracts of *Vernonia cinerea* Less leaf. *Journal of Ethnopharmacology*, 86: 229-234.
- Jaffe, J.H., Martin, W.R. 1990. Opioid analgesics and antagonists. Gilman A.G, Rall T.W., Nies A.S., Taylor P. (eds.). *The pharmacological basis of therapeutics* (8th ed), New York, USA. Pergamon, pp. 485-521.
- Jame, A.S. 1992. Body temperature regulation. Johnson (eds.). *Essential medical physiology*, New York, USA. Raven, pp. 711-720.
- James, B.L., Steven, C.L. 1995. Inflammation and non-steroidal anti-inflammatory: Prostaglandin and non-prostaglandin synthesis inhibitors. Smith C.M., Reynard A.M.(eds.). *Essentials pharmacology*, Philadelphia, USA. Saunders, pp. 147-153.
- John, J.A. 1990. Narcrotic agonist analgesics. Kastrup E.K. (ed.). *Drug facts and comparisons* (54th ed), St. Louis Missouri, USA. Facts and Comparisons, pp. 748-785.
- Jonh, J.A., Bonald, R.B. 1993. Analgesics. Ambre J.J., Bennett D.R. (eds.). *Drug evaluations annual 1994*. American medical association, New York USA. De Press, pp. 118-119.
- Julius, D. 2001. Molecular mechanisms of nociception. *Nature*, 413: 203-209.

- Kim, W., Khil, L.Y., Clark, R., Bok, S.H., Kim, E.E., Lee, S., Jun, H.S., Yoon, J.W. 2006. Naphthalenemethyl ester derivative of dihydroxyhydrocinnamic acid, a component of cinnamon, increase glucose disposal by enhancing translocation of glucose transporter 4. *Diabetologia*, 49: 2437-2448.
- Kinghorn, A.D. 2001. Pharmacology in the 21st century. *Journal of Pharmacy and Pharmacology*, 53: 135-148.
- Koster, R., Anderson, M., Bee, E.J. 1959. Acute acid for analgesic screening. *Federation Proceeding*, 18: 412.
- Kunn, M.M. 1991. Anti-inflammatory medications. Kunn M.M. (ed.). *Pharmaco-therapeutics: A nursing process approach* (2nd ed), Philadelphia, USA. F.A. Davis, pp. 1297-1298.
- Kvam, D.C., Swingle, K.F. 1990. Anti-inflammatory and Antirheumatic Agents. Craig C.R., Stitzel R.E (eds.). *Modern pharmacology* (3rd ed), Boston, USA. Little Brown, pp. 570-574.
- Lamb, J.F., Ingram, C.G., Johnston, I.A., Pitman, R.M. 1980. Temperature regulation. Lamb J.F., Ingram C.G., Johnston I.A., Pitman R.M. (eds.). *Essential of physiology* (3rd ed), Charlton Victoria, Australia. Blackwell, pp. 271-276.
- Lampronti, I., Saab, A.M., Gambari, R. 2006. Antiproliferative activity of essential oils derived from plants belonging to the Magnoliophyta division. *International Journal of Oncology*, 26(4): 989-995.
- Le Bars D., Gozariu, M., Cadden, S.W. 2001. Acute pain measurement in animals. *Part I, Annales Francaises d' Anesthesie et de Reanimation*, 20: 347-365.

- Lewis, M.J., Young, T.W. 1995. Brewer's yeast. Lewis M.J., Young T.W. (eds.). *Brewing* (1st ed), Norwich, Great Britain. Chapman and Hall, pp. 147-159.
- Likhitwitayawuid, K., Ruangrunsi, N., Lange, G.L., Decicco, C.P. 1987. Structure Elucidation and Synthesis of New Components Isolated from *Piper sarmentosum*. *Tetrahedron*, 43(16): 3689-3694.
- Manikandan, S., Devi, R.S. 2005. Antioxidant property of alpha-asarone against noise-stress-induced changes in different regions of rat brain. *Pharmacological Research*, 52(6): 467-474.
- Mariab, E.N. 2001. Tissue: The living Fabric. Mariab E.N. (ed.). *Human Anatomy and Physiology* (5th ed), New York, USA. Addison Wesley Longman, pp. 140-142.
- Martin, W.A. 1990. Narcotic analgesics. DiPalma J.R., Digregorio G.J.(eds.). *Basis pharmacology in medicine* (3rd ed), Philadelphia, USA. McGraw Hill, pp. 293-300.
- Masuda, T., Inazumi, A., Yamada, Y., Padolina, W.G., Kikuzaki, H., Nakatani, N. 1991. Antimicrobial Phenylpropanoids from *Piper sarmentosum*. *Phytochemistry*, 30(10): 3227-3228.
- Matheus, M.E., Berrondo, L.F., Vieitas, E.C., Menezes, F.S., Fernandes, P.D. 2005. Evaluation of the antinociceptive properties from *Brillantaisia palisotii* Lindau stems extract. *Journal of Ethnopharmacology*, 102: 377-381.
- Meed, S.D., Kleinmann, P.M., Kantor, T.G. 1987. Management of cancer pain with oral controlled-release morphine sulfate. *Journal of Clinical Pharmacology*, 24: 155-161.

- Meiss, R.A. 1992. Function of the blood. Anderson M.M. (ed.). Human physiology (2nd ed), Philadelphia, USA. Saunders, pp. 607-610.
- Mill, R.G., Sayer R.J. 1999. Signaling in the nervous system. Bray J.J., Cragg P.A., Macknight D.C., Mill R.G. (eds.). Human physiology (4th ed), Oxford, United Kingdom. Blackwell, pp. 87-89.
- Moffett, D.F., Moffett, S.B. 1993. Action potentials :Pain perception. Callanan R.J. (ed.). Human physiology (2nd ed), St. Louis Missouri, USA. Mosby, pp. 233-236.
- Mokkhasmit, M., Ngarmwathana, W, Sawasdimongkol, K., Permhiphat, U. 1971. Pharmacological evaluation of Thai medicinal plants (continued). *Journal of Medical Association*. Thailand, 85: 490-504.
- Momin, R.A., De, Witt, D.L., Nair, M.G. 2003. Inhibition of cyclooxygenase (COX) enzyme by compounds from *Daucus carota* L. Seeds. *Phytotherapy Research*, 17(8): 976-979.
- Muhammad, Z., Mustafa, A.M. 1994. Traditional Malay Medical Plants. Fajar Bakti, Kuala Lumpur.
- Murata, T., Ushikubi, F., Matsuoka, T., Hirata, M., Yamasaki, A., Sugimoto, Y., Ichikawa A., Aze, Y., Tanaka, T., Yoshida, N., Ueno, A., Oh-Ishi, S., Narumiya, S. 1997. Altered pain perception and inflammatory response in mice lacking prostacyclin receptor. *Nature*, 388: 678-682.
- Mutschler, E., Derendorf, H. 1995:a. Pharmacokinetics: Absorption. Mutschler E., Derendorf H., Korting M.S., Elrod K., Estes K. (eds.). Drug actions: Basic principle and Therapeutic, Stuttgart, Germany. Medphram CRC, pp. 8-10.
- Mutschler, E., Derendorf, H. 1995:b. Pathophysiology of Pain. Mutschler E., Derendorf H.,

- Korting M.S., Elrod K., Estes K. (eds.). Drug actions: Basic principle and Therapeutic, Stuttgart, Germany. Medphram CRC, pp. 149-167.
- Narayanan, N. ,Thirugnanasambanthan, P., Viswanathan, S., Reddy, M.K., Vijayasekaran, V., Sukumar, E. 1999. Antipyretic, antinociceptive and anti-inflammatory activity of *Premna herbacea* roots. *Fitoterapia*, 71: 147-153.
- Niamsa, N., Chantrapromma, K. 1983. Chemical constituents isolated from *Piper sarmentosum* Roxb.. *Songklanakarinn Journal of Science and Technology*, 5(2): 151-152.
- Perry, L.M. 1981. Medical Plants of East and Southeast Asia. Cambridge, Massachusetts: MIT Press, pp. 314-315.
- Peungvicha, P., Trirawarapan, S., Temsiriririkkul, R., Watanabe, H., Prasain, K., Kadota, S. 1998. Hypoglycemic effect of the water extract of *Piper sarmentosum* in rats. *Journal of Ethnopharmacology*, 60: 27-32.
- Pflanzer, R.G. 1992. Function of the Blood. Rhoades R., Pflanzer R.G. (eds.). Human physiology (2nd ed), Florida, USA. Saunders, pp. 607-611.
- Plummer, J.L., Cmielewski, P.L., Gourly, G.K., Owen, H., Cousins, M. 1996. Assessment of antinocipetive drug effects in the presence of impaired motor performance. *Journal of Pharmacological Methods*, 26: 79.
- Prado, W.A., Tonussi, C.R., Rego, E.M., Corrado, A.P. 1990. Antinociception induced by intraperitoneal injection of gentamicin in rats and mice. *Pain*, 41: 365-371.
- Pongboonrod, S. 1976. The Medical Plants in Thailand Bangkok. Kasembanakit Press, pp. 180.
- Pongmarutai, M. 1980. Studying antidiabetic action of *Piper rostratum*. M.Sc. Thesis, Mahidol University, Bangkok, Thailand.

- Rahman, N., Furuta, T., Kojima, S., Takane, K., Ali Mohd, M. 1999. Antimalarial activity of Extract of Malaysian medicinal plants. *Journal of Ethnopharmacology*, 64: 249-254.
- Raj, P.P. 1996. Pain mechanisms. Raj P.P. (ed.), *Pain Medicine: A Comprehensive Review* (1st ed). Missouri, USA. Mosby-Year, pp. 12-23.
- Ramabadran, K., Bansinath, M., Turndorf, H., Puig, M.M. 1989. Tail immersion test for the evaluation of a nociceptive reaction in mice. Methodological considerations. *Journal of Pharmacological Methods*, 21: 21-31.
- Rang, H.P., Dale, M.M. 1991:a. Drugs used to suppress inflammatory and immune reactions. Anderson and Critchley (eds.). *Pharmacology* (2nd ed), Hongkong. Churchill Livingstone, pp. 284-290.
- Rang, H.P., Dale, M.M. (1991:b). Local hormone, Inflammation and Allergy. Anderson and Critchley (eds.). *Pharmacology* (2nd ed), Hongkong. Churchill Livingstone, pp. 284-290.
- Rang, H.P., Dale, M.M., Ritter, J.M. 1999:a. Analgesic drug. Anderson and Critchley (eds.). *Pharmacology* (4th ed), Hongkong. Churchill Livingstone, pp. 68-75.
- Rang, H.P., Dale, M.M., Ritter, J.M. 1999:b. Drug disposition. Anderson and Critchley (eds.). *Pharmacology* (4th ed), Hongkong. Churchill Livingstone, pp. 600-603.
- Rapaport, S.T., Taetle, R. (1991). Inflammation and Phagocytosis. West J.B. (ed.). *Physiological Basis of Medical Practice* (12th ed), Baltimore, USA. Williams and Wilkins, pp. 362-368.
- Raskin, I., Ribnicky, D.M., Komarnytsky, S., Ilic, N., Pouler, A., Borisjuk, N., Brinker, A., Moreno, D.A., Ripoll, C., Yakoby, N., O'Meal, J.M., Cornwell, T., Pastor, I., Fridlender, B. 2002. *Plants and human health in the twenty-first century*.

Trends in Biotechnology, 20: 522-530.

Rate, S.M.K. 2001. Plant as source of drugs. *Toxicon*, 39: 603-613.

Rawlins, M.D., Postgrad, R. 1973. Mechanism of salicylate-induced anaptyresis. *Pharmacology Thermoregulatory Proceedings Satellite Symposium*, 311-324.

Rhoades, R., Pflanzen, R. 1992. Regulation of body temperature. Prancan K.M., Bradley J.W. (eds.). *Human Physiology* (6th ed), New York, USA. McGraw Hill, pp. 949-951.

Richard, A.M. 1995. Sensory physiology. Rhoades R.A., Tanner G.A. (eds.). *Medical physiology* (2nd ed), Philadelphia, USA. Lippincott Williams and Wilkins, pp. 68-70.

Riditid, W., Rattanaprom, W., Thaina, P., Chittrakarn, S., Sunbhanich, M. 1998. Neuromuscular blocking activity of methanolic extract of *Piper sarmentosum* leaves in rat phrenic nerve-hemidiaphragm preparation. *Journal of Ethnopharmacology*, 61: 135-142.

Robert, V.C. 2003. The adrenal gland. Rhoades R.A., Tanner G.A. (eds.). *Medical physiology* (2nd ed), Philadelphia, USA. Lippincott Williams and Wilkins, pp. 619-620.

Rodriguez-Paez, L., Juarez-Sanchez, M., Antuenez-Solis, J., Baeza, I., Wong, C. 2003. Alpha-asarone inhibits HMG-CoA reductase, lower serum LDL-cholesterol levels and reduces biliary CSI in hypercholesterolemic rats. *Phytomedicine*, 10(5): 397-404.

Rosa, K.A., Gadotti, V.M., Rosa, A.O. Rodrigues A.L., Calixto, J.B., Santos, A.R. 2005. Evidence for the involvement of glutamatergic system in the antinociceptive effect of ascorbic acid. *Neuroscience Letters*, 381: 185-188.

- Ross, J.M., Dehoratius, R.J. 1989. Nonnarcotic analgesics. DiPiro J.T., Talbert R.L., Hayes P.E., Yee G.C., Matzke G.R., Posey L.M.(eds.). Basic pharmacology in medicine (3rd ed), Philadelphia , USA. McGraw Hill, pp. 309-315.
- Rossi, G.C., Dasternak, G.W., Bodnar, R.J. 1993. Synergistic brainstem interactions for morphine analgesia. *Brain Research*, 624: 171-180.
- Rukachaisirikul, T., Siriwatanakit, P., Sukcharoenpol, K., Wongvein, C., Ruttanaweang, P., Wongwattanavuch, P., Suksamrarn, A. 2004. Chemical constituents and bioactivity of *Piper sarmentosum*. *Journal of Ethnopharmacology*, 93: 173-176.
- Sabulal, B., Dan, M., John, A., Kurup, R., Pradeep, N.S., Valsamma, R.K., George, V. 2006. Caryophyllene-rich rhizome oil of *Zingiber nimmonii* from South India: Chemical characterization and antimicrobial activity. *Phytochemical*, xx: xxx-xxx.
- Samad, T.A. 2002. Peripheral mechanisms of inflammation pain. *Trend in Molecular Medicine*, 8: 390-396
- Saralamp, P., Chuakul, W. 1996. Medicinal Plants in Thailand. Vol I. Amarin, pp. 151.
- Sawangjaroen, N., Sawangjaroen, K., Poonpanang, P. 2004. Effects of *Piper longum* fruit, *Piper sarmentosum* root and *Quercus infectoria* nut gall on caecal amoebiasis in mice. *Journal of Ethnopharmacology*, 91: 357-360.
- Schulz, V., Hansel, R., Tyler, V.E. 1998. Rational Phytotherapy. A physicians guide to herbal medicine (3rd ed), Berlin, Germany. Springer-verlag, pp. 231.
- Schuna, A., Coulter, L. 1993. Rheumatoid arthritis and the seronegative spondy loarthropathies. DiPiro J.T., Talbert R.L., Hayes P.E., Yee G.C., Matzke G.R., Posey L.M. (eds.). Pharmacotherapy: A pathophysiologic approach (2nd ed), New Jersey, USA. Appleton and Lange, pp. 1623-1636.

- Seeley, R.R., Stephens, T.D., Tate P. 1996. Nutrition, metabolism and body temperature.
Seeley R.R., Stephens T.D., Tate P. (eds.). Essential of anatomy physiology
(2nd ed), St. Louis Missouri, USA. Mosby, pp. 474-476.
- Seeley, R.R., Stephens, T.D., Tate, P. 2000. Body temperature regulation. Seeley R.R.,
Stephens T.D., Tate P. (eds.). Anatomy and physiology, New York, USA.
McGraw-Hill, pp. 935-940.
- Shibata, M., Ohkubo, T., Takahashi, H., Inoki, R. 1989. Modified formalin test: characteristic
biphasic pain response. *Pain*, 38: 347-352.
- Silbernagl, S., Lang, F. 2000. Atlas de Poche de Physiopathologie. Medecine-Science (1st ed).
Flammarion, pp. 320-321.
- Smith, CM. 1995. Opioid analgesics-agonist and antagonists. Smith C.M., Reynard A.M. (eds.).
Essentials of pharmacology, Philadelphia, USA. Saunders, pp. 132-146.
- Stanier, M.W., Forsling, M.L. 1990. Defense Mechanisms of the body. Stanier M.W., Forsling
M.L. (eds.). Physiology process, Great Britain. McGraw Hill, pp. 263-265.
- Stephen, G.H. 1998. Pain control with opioid analgesics. Brody T.M., Larner J., Minneman
K.P. (eds.). Human pharmacology: Molecular to clinical, St. Louis Missouri,
USA. Mosby, pp. 395-407.
- Strunz, G.M., Finley, H. 1995. Synthesis of Sarmentosine, an Amide Alkaloid from *Piper*
Sarmentosum. *Phytochemical*, 39(3): 731-733.
- Subramaniam, V. , Mohd, A. I. 2003. Natural Antioxidants: *Piper sarmentosum* (Kadok) and
Morinda elliptica (Mengkudu). *Malasia Journal of Nature*, 9(1): 41-51.

- Sunbhanich, M., Pongmarutai, M., Ridditid, W. 1983. A Preliminary Study on Pharmacological effects of *Piper sarmentosum* Roxb.. *Songklanakarin Journal of Science and Technology*, 10(3): 305-312.
- Suvatti, C. 1978. Flora of Thailand. Royal Institute, Thailand.
- Taesotikul, T., Panthong, A., Kanjanapothi, D., Verpoorte, R., Scheffer, J.J.C. 2002. Anti-inflammatory, antipyretic and antinociceptive activities of *Tabernaemontana pandacaqui* Poir. *Journal of Ethnopharmacology*, 84: 31-35.
- Terry, J.B. 1993. Pain Management. DiPiro J.T. (ed.). Pharmacology (2nded), USA. Appleton and Langs, pp. 933-935.
- Tjolsen, A., Berge, O.G., Hunskaar, S., Rosland, J.H., Hole, K. 1992. The formalin test: an evaluation of the method. *Pain*, 51: 5-17.
- Trease, G.E. , Evans, W.C. 1983. Pharmacology (2nded), Oxford. Alden Press, pp. 183.
- Trongsakul, S., Panthong, D., Kanjanapothi, D., Taesotikul, T. 2002. The analgesic, antipyretic and anti-inflammatory activity of *Diospyros variegata* Kruz. *Journal of Ethnopharmacology*, 85: 221-225.
- Valyasevi, A., Dhanamitta, S. 1974. Studies of bladder of exogenous sources of oxalate on crystalluria. *American Journal of Clinical Nutrition*, 27(8): 877-882.
- Vander, A.J., Sherman, J.H., Luciano, D.S. 1999. Defense Mechanism of the Body. Vander A.J., Sherman J.H., Luciano D.S. (eds.). Human Physiology: The mechanism of Body function (7thed), Boston, USA. McGraw Hill, pp. 692-696.
- Vander, A.J. 2001. The mechanism of body temperature. Vander A.J., Sherman D.L. (eds.).

- Human physiology (8nd ed), Singapore. McGraw Hill, pp. 630-632.
- Vane, J.R. 1987. The evolution of non-steroidal anti-inflammatory drug and their mechanism of action. *Drugs (supply)*, 33: 18-27.
- Veerapan, A., Shigaru, M., Rengangthan, D. 2004. Studies on the Anti-inflammatory, Antipyretic and Analgesic properties of the leaves of *Aegle mormelos* Corr. *Journal of Ethnopharmacology*, 96: 159-163.
- Villasenor, I.M., Angelada, J., Canlas, A.P., Echegoyen, D. 2002. Bioactivity studies on beta-sitosterol and its glucoside. *Phytotherapy Research*, 16(5): 417-421.
- Vinegar, R., Schreiber, W., Hogo, R. 1969. Biphasic development of carrageenan edema in rats. *Journal of Pharmacology and Experimental Therapeutics*, 166: 96-103.
- Vinegar, R., Truax, J.F., Selph, J.H., Johnstone, P.R., Venable, A.L., McKenzie, K.K. 1987. Pathway to carrageenan induced inflammation of the hind-limb of the rat. *Federation Proceedings*, 6(1): 118-126.
- Von Holtz, R.L., Fink, C.S., Awad, A.B. 1998. β -sitosterol activates the sphingomyelin cycle and induces apoptosis in LNCaP human prostate cancer cells. *Nature of Cancer*, 32: 8-12.
- Vyklicky, L. 1979. Techniques for the study of pain in animals. Bonica J.J., Liebeskind J.C., Albe-Fessard D.G. (eds.). *Advances in Pain Research and Therapy*, New York USA. Raven Press, pp. 727-745.
- Wang, Y., Deng, T., Lin, L., Pan, Y., Zheng, X. 2006. Bioassay-guided isolation of antiatherosclerotic phytochemicals from *Artocarpus altilis*. *Phytotherapy Research*, xx: xxx-xxx.

- Way, W.L., Way, E.L. 1992. Opioid Analgesics and Antagonists. Katzung B.G. (ed.).
Basic and Clinical Pharmacology (5th ed), USA , Raven, pp. 420-436.
- Wenger, C.B. 1995. The regulation of body temperature. Rhoades R.A., Tanner G.A. (eds.).
Medical physiology (2nd ed), Philadelphia, USA. Lippincott Williams and
Wilkins, pp. 537-540.
- William, D.W. 1998. The somatosensory system. Berne R.M., Levy M.N.(eds.). Principle of
Physiology (3rd ed), St. Louis Missouri, USA. Mosby, pp. 109-113.
- William, D.W. 2000. Nervous system. Berne R.M., Levy M.N. (eds.). Principles of Physiology
(4th ed), St. Louis Missouri, USA. Mosby, pp. 75-92.
- Windholz, M., Budavari, S., Stroumtsos, L.Y., Fertig M.N. 1976. Windholz M. (ed.). The
MERCK INDEX (9th ed), New Jersey, USA. Merck and Co. Inc, pp. 48.
- Windholz, M., Budavari, S., Stroumtsos, L.Y., Fertig, M.N. 1989. Windholz M. (ed.). The
MERCK INDEX (11th ed), New Jersey, USA. Merck and Co. Inc, pp. 1868.
- Winter, C.A., Rusley, E.A., Nuss, C.W. 1962. Carrageenan-induced edema in hind paw of the
rat as an assay for anti-inflammatory drugs. *Proceeding of the society for
Experimental Biology and Medicine*, 111: 544-547.
- Woolfe, G., MacDonald, A.D. 1944. The evaluation of the analgesic action of pethidine
hydrochloride (DEMEROL). *Journal of Pharmacological and Experimental
Therapeutics*, 80: 300-307.
- Wynsberghe, D.V. , Noback, C.R., Carola R. 1995. The immune system. Prancan K.M.,
Clound D., Gordon H. (eds.). Human Anatomy and Physiology (3rd ed), New
York, USA. McGraw Hill, pp. 727-730.

Yaksh, T.L., Rudy, T.A. 1977. Studies on the direct spinal action of narcotics in the production of analgesia in the rat. *Journal of Pharmacology and Experimental Therapeutics*, 202(2): 411-428.