

## References

### **Books**

- Blaiss, M. S. (1999). Costs and trends in the management of allergic diseases. In M. A. Kaliner (Ed.), *Current review of allergic diseases* (pp. 1-10). Philadelphia, USA: Current Medicine.
- Chandrasoma, P., & Taylor, C. R. (1998). *Part A. General Pathology, Section II. The Host Response to Injury. Concise Pathology* (3<sup>rd</sup> ed.). New York, N.Y.: McGraw-Hill.
- Charles, D. J., Morales, M. R., & Simon, J. E. (1993). In J. Janick, & J. E. Simon (Eds.), *Essential oil content and chemical composition of finocchio fennel* (pp. 570-573). Wiley, New York: New crops.
- Charles, J., Travers, P., Walport, M., & Shlomchik, M. (2001). *Immunobiology* (5<sup>th</sup> ed.). New York and London: Garland Science.
- Deng, S. (2005). *Phytochemical investigation of bioactive constituents from Angelica sinensis*, University of Illinois at Chicago, Pharmacognosy in the Graduate College.
- Foundation of resuscitate and encourage Thai Traditional Medicine. (2005). *Thai Pharmaceutical Book* (pp. 225-226). Bangkok: Pikanate Printing Center Cooporation.
- Gallin, J. I., & Snyderman, R. (1999). Overview. In D. T. Fearon, B. F. Haynes, & C. Nathan (Eds.), *Inflammation Basic Principles and Clinical Correlates* (3<sup>rd</sup> ed.). Philadelphia, USA: Lippincott Williams & Wilkins.
- Grant, J. A. (1984). Fundamentals of the immune system and hypersensitivity reactions. In P. E. Korenblat, & H. J. Wedner (Eds.), *Allergy theory and practice* (pp. 19-22). Florida, USA: Grune & Stratton.
- Iyer, R. I. (2007). *In vitro propagation of nutmeg, Myristica fragrans Houtt.* In S. M. Jain, & H. Haggman (Eds.), *Protocols for Micropropagation of Woody Trees and Fruits* (pp. 335-344). Springer Netherlands.
- Kumar, V., Abbas, A. K., & Fausto, N. (2005). *Robbin and Cotran pathologic basis of disease* (7<sup>th</sup> ed.). Philadelphia: Elsevier Saunders.

- Lewis, R. (1998). *Life*. McGraw-Hill Companies.
- Saralamp, P., Chuakul, W., Temsiririrkkul, R., & Clayton, T. (1996). *Medicinal Plants in Thailand Volume I*. Bangkok: Amarin Printing and Publishing Public Co., Ltd.
- Silbernagl, S., & Lang, F. (2000). Temperature, energy. In S. Silbernagl, & F. Lang (Eds.), *Color Atlas of Pathophysiology* (pp.21-22). Stuttgart, German. Thieme.
- Siraganian, R. P. (1999). Mast cells and basophils. In M. A. Kaliner (Ed.), *Current review of allergic diseases* (p. 11). Philadelphia, USA: Current Medicine.
- Smitinand, T. (2001). In The forest herbarium royal forest department (Ed.). *Thai plant names*. Bangkok: Prachachon Co., Ltd.
- World Health Organization (WHO). (2002). *Prevention of allergy and allergic asthma* (p.3). WHO, Geneva.

## Articles

- Abas, F., Lajis, N. H., Israf, D. A., Khozirah, S., & Kalsom, Y. U. (2006). Antioxidant and nitric oxide inhibition activities of selected Malay traditional vegetables. *Food Chemistry* 95, 566-573.
- Afaf, I. A., Nuha, H. S., & Mohammed, A. H. (2008). Hepatoprotective effect of *Lepidium sativum* against carbon tetrachloride induced damage in rats. *Research Journal of Animal and Veterinary Sciences*, 3, 20-23.
- Ahmad, A., & Misra, L. N. (1994). Terpenoids from *Artemisia annua* and constituents of its essential oil. *Phytochemistry*, 37(1), 183-186.
- Aktan, F. (2004). iNOS-mediated nitric oxide production and its regulation. *Life Sciences*, 75, 639-653.
- Al-Ghamdi, M. S. (2001). The anti-inflammatory, analgesic and antipyretic activity of *Nigella sativa*. *Journal of Ethnopharmacology*, 76, 45-48.
- Al-Saleh, I. A., Billedo, G., & El-Doush, I. I. (2006). Levels of selenium, DL- $\alpha$ -tocopherol, DL- $\gamma$ -tocopherol, all-trans-retinol, thymoquinone and thymol in different brands of *Nigella sativa* seeds. *Journal of Food Composition and Analysis*, 19, 167-175.

- Al-Yahya, M. A., Mossa, J.S., Ageel, A.M., & Rafatullah, S. (1994). Pharmacological and safety evaluation studies on *Lepidium sativum* L., seeds. *Phytomedicine*, 1, 155-159.
- Aromdee, C., Vorarat, S., & Benjamapriyagoon, S. (2005). Physicochemical properties of "Pikul". *The Thai Journal of Pharmaceutical Sciences*, 29.
- Baek, N.-I., Ahn, E.-M., Kim, H.-Y., & Park, Y.-D. (2000). Furanocoumarins from the root of *Angelica dahurica*. *Archives of Pharmacal Research*, 23(5), 467-470.
- Bakkali, F., Averbeck, S., Averbeck, D., & Idaomar, M. (2008). Biological effects of essential oils - A review. *Food and Chemical Toxicology*, 46, 446-475.
- Ban, H. S., Lim, S. S., Suzuki, K., Jung, S. H., Lee, S., Lee, Y. S., et al. (2003). Inhibition effects of furanocoumarins isolated from the roots of *Angelica dahurica* on prostaglandin E2 production. *Planta Medica*, 69(5), 408-412.
- Baraldi, R., Isacchi, B., Predieri, S., Marconi, G., Vincieri, F. F., & Bilia, A. R. (2008). Distribution of artemisinin and bioactive flavonoids from *Artemisia annua* L. during plant growth. *Biochemical Systematics and Ecology*, 36(5-6), 340-348.
- Benchaar, C., Calsamiglia, S., Chaves, A. V., Fraser, G. R., Colombatto, D., McAllister, T. A., et al. (2008). A review of plant-derived essential oils in ruminant nutrition and production. *Animal Feed Science and Technology*, 145(1-4), 209-228.
- Bhamarapravati, S., Pendland, S. L., & Mahady G. B. (2003). Extracts of spice and food plants from Thai traditional medicine inhibit the growth of the human carcinogen *Helicobacter pylori*. *In vivo*, 17(6), 541-544.
- Bhattacharyya, P., Chakrabarty, P., & Chowdhuty, B. K. (1988). Mesuarin: a new 4-phynyl-coumarin from *Mesua ferrea*. *Chemistry & Industry*, (7), 239-240.
- Bin Jantan, I., Yassin. M. S. M., Chin, C. B., Chen, L. L., & Sim, N. L. (2003). Antifungal activity of the essential oils of nine Zingiberaceae species. *Pharmaceutical Biology*, 41(5), 392-397.
- Blois, M. S. (1958). Antioxidant determination by the use of a stable free radical. *Nature*, 181, 1199-1200.

- Bnouham, M., Mekhfi, H., Legssyer, A., & Ziyyat, A. (2002). Ethnopharmacology Forum Medicinal plants used in the treatment of diabetes in Morocco. *International Journal of Diabetes and Metabolism*, 10, 33-50.
- Bonjar, S. (2004). Evaluation of antibacterial properties of some medicinal plants used in Iran. *Journal of Ethnopharmacology*, 94, 301-305.
- Bor, J.-Y., Chen, H.-Y., & Yen, G.-C. (2006). Evaluation of antioxidant activity and inhibitory effect on nitric oxide production of some common vegetables. *Journal of Agricultural and Food Chemistry*, 54, 1680-1686.
- Bucci, M., Roviezzo, F., Posadas, I., Yu, J., Parente, L., Sessa, W. C., et al. (2005). Endothelial nitric oxide synthase activation is critical for vascular leakage during acute inflammation *in vivo*. *Proceedings of the National Academy of Sciences*, 102(3), 904-908.
- Cai, Y., Luo, Q., Sun, M., & Corke, H. (2004). Antioxidant activity and phenolic compounds of 112 traditional Chinese medicinal plants associated with anticancer. *Life Sciences*, 74, 2157-2184.
- Chan, S. S.-K., Cheng, T.-Y., & Lin, G. (2007). Relaxation effects of ligustilide and senkyunolide A, two main constituents of *Ligusticum chuanxiong*, in rat isolated aorta. *Journal of Ethnopharmacology*, 111(3), 677-680.
- Chanwitheesuk, A., Teerawutgulrag, A., & Rakariyatham. (2005). Screening of antioxidant activity and antioxidant compounds of some edible plants of Thailand. *Food Chemistry*, 92, 491-497.
- Chao, W.-W., Kuo, Y.-H., Li, W.-C., & Lin, B.-F. (2009). The production of nitric oxide and prostaglandin E<sub>2</sub> in peritoneal macrophages is inhibited by *Andrographis paniculata*, *Angelica sinensis* and *Morus alba* ethyl acetate fractions. *Journal of Ethnopharmacology*, 122, 68-75.
- Chen, Q. C., Lee, J. P., Jin, W. Y., Youn, U. J., Kim, H. J., Lee, I. S., et al. (2007). Cytotoxic constituents from *Angelica sinensis* Radix. *Archives of Pharmacal Research*, 30(5), 565-569.
- Cheng, Y.-L., Chang, W.-L., Lee, S.-C., Liu, Y.-G., Chen, C.-J., Lin, S.-Z., et al. (2004). Acetone extract of *Angelica sinensis* inhibits proliferation of human cancer cells via inducing cell cycle arrest and apoptosis. *Life Science*, 75(13), 1579-1594.

- Chirathaworn, C., Kongcharoensuntorn, W., Dechdoungchan, T., Lowanichapat, A., Sa-nguanmoo, P., & Poovorawan, Y. (2007). *Myristica fragrans* Houtt. methanolic extract induces apoptosis in a human leukemia cell line through SIRT1 mRNA downregulation. *Journal of The Medical Association of Thailand, 90*(11), 2422-2428.
- Chithra, M., Martin, K. P., Sunandakumari, C., & Madhusoodanan, P. V. (2005). Protocol for rapid propagation, and to overcome delayed rhizome formation in field established in vitro derived plantlets of *Kaempferia galanga* L. *Scientia Horticulturae, 104*, 113-120.
- Cho, E. J., Yokozawa, T., Rhyu, D. Y., Kim, S. C., Shibahara, N., & Park, J. C. (2003). Study on the inhibitory effects of Korean medicinal plants and their main compounds on the 1,1-diphenyl-2-picrylhydrazyl radical. *Phytomedicine, 10*, 544-551.
- Choi, Y. H., & Yan, G. H. (2009). Anti-allergic effects of scoparone on mast cells-mediated allergy model. *Phytomedicine, 16*(12), 1089-1094.
- Choudhury, S., Ahmed, R., Barthel, A., & Leclercq, P. A. (1998). Volatile oils of *Mesua ferrea* (L.) from Assam, India. *Journal of Essential Oil Research, 10*(5), 497-501.
- Chung, J. Y., Choo, J. H., Lee, M. H., & Hwang, J. K. (2006). Anticariogenic activity of macelignan isolated from *Myristica fragrans* (nutmeg) against *Streptococcus mutans*. *Phytomedicine, 13*, 261-266.
- Darley-Usmar, V., Wiseman, H., & Halliwell, B. (1995). Nitric oxide and oxygen radicals: a question of balance. *FEBS Letters, 369*, 131-135.
- Davis, K. L., Martin, E., Turko, I. V., & Murad, F. (2001). Novel effects of nitric oxide. *Annual Review of Pharmacology and Toxicology, 41*, 203-236.
- Dong, Z. B., Li, S. P., Hong, M., & Zhu, Q. (2005). Hypothesis of potential active components in *Angelica sinensis* by using biomembrane extraction and high performance liquid chromatography. *Journal of Pharmaceutical and Biomedical Analysis, 38*, 664-669.
- Du, J., Yu, Y., Ke, Y., Wang, C., Zhu, L., & Qian, Z. M. (2007). Ligustilide attenuates pain behavior induced by acetic acid or formalin. *Journal of Ethnopharmacology, 112*, 211-214.

- Duan, J.-A., Wang, L., Qian, S., Su, S., & Tang, Y. (2008). A new cytotoxic prenylated dihydrobenzofuran derivative and other chemical constituents from the rhizomes of *Atractylodes lancea* DC. *Archives of Pharmacal Research*, 31(8), 965-969.
- Duarte, M. C. T., Figueira, G. M., Sartoratto, A., Rehder, V. L. G., & Delarmelina, C. (2005). Anti-*Candida* activity of Brazilian medicinal plants. *Journal of Ethnopharmacology*, 97, 305-311.
- Duarte, M. C. T., Leme, E. E., Delarmelina, C., Soares, A. A., Figueira, G. M., & Sartoratto, A. (2007). Activity of essential oils from Brazilian medicinal plants on *Escherichia coli*. *Journal of Ethnopharmacology*, 111, 197-201.
- El-Gazzar, M., El Mezayen, R., Marecki, J. C., Nicolls, M. R., Canastar, A., & Dreskin, S. C. (2006). Anti-inflammatory effect of thymoquinone in a mouse model of allergic lung inflammation. *International Immunopharmacology*, 6, 1135-1142.
- El-Mahmoudy, A., Matsuyama, H., Borgan, M. A., Shimizu, Y., El-Sayed, M. G., Minamoto, N., et al. (2002). Thymoquinone suppresses expression of inducible nitric oxide synthase in rat macrophages. *International Immunopharmacology*, 2(11), 1603-1611.
- El-Mezayen, R., El-Gazzar, M., Nicolls, M. R., Marecki, J. C., Dreskin, S. C., & Nomiyama, H. (2006). Effect of thymoquinone on cyclooxygenase expression and prostaglandin production in a mouse model of allergic airway inflammation. *Immunology Letters*, 106, 72-81.
- Falcao, H. S., Mariath, I. R., Diniz, M. F. F. M., Batista, L. M., & Barbosa-Filho, J. M. (2008). Plants of the American continent with antiulcer activity. *Phytomedicine*, 15, 132-146.
- Feldmann, M., & Maini, R. N. (2001). Anti-TNF- $\alpha$  therapy of rheumatoid arthritis: What have we learned?. *Annual Review of Immunology*, 19, 169-196.
- Ferrero-Miliani, L., Nielsen, O. H., Andersen, P.S., & Girardin, S. E. (2006). Chronic inflammation: importance of NOD2 and NALP3 in interleukin-1 $\beta$  generation. *Clinical and Experimental Immunology*, 147, 227-235.
- Fujiwara, N., & Kobayashi, K. (2005). Macrophages in inflammation. *Current Drug Targets-Inflammation & Allergy*, 4(2), 281-286.

- Gachkar, L., Yadegari, D., Rezaei, M. B., Taghizadeh, M., Astaneh, S. A., & Rasooli, I. (2007). Chemical and biological characteristics of *Cuminum cyminum* and *Rosmarinus officinalis* essential oils. *Food Chemistry*, 102, 898-904.
- Gould, H. J., Sutton, B. J., Beavil, A. J., Beavil, R. L., McCloskey, N., Coker, H. A. et al. (2003). The biology of IgE and the basis of allergic disease. *Annual Review of Immunology*, 21, 579-628.
- Guo, H. B. (2009). Cultivation of lotus (*Nelumbo nucifera* Gaertn. ssp. *nucifera*) and its utilization in China. *Genetic Resources and Crop Evolution*, 56, 323-330.
- Gupta, M., Mazumder, U. K., Kumar, R.S., & Kumar, T. S. (2003). Studies on anti-inflammatory, analgesic and antipyretic properties of methanol extract of *Caesalpinia bonduc* leaves in experimental animal models. *Iranian Journal of Pharmacology and Therapeutics*, 2, 30-34.
- Hart, B. L. (2005). The evolution of herbal medicine: behavioural perspectives. *Animal Behaviour*, 70, 975-989.
- Hetrick, E. M., & Schoenfisch, M. H. (2009). Analytical chemistry of nitric oxide. *Annual Review of Analytical Chemistry*, 2, 409-433.
- Hiraoka, N., & Tomita, Y. (1990). Botanical and chemical evaluation of *Atractylodes lancea* plants propagated in vitro and by division of the rhizome. *Plant Cell Reports*, 9, 332-334.
- Hirose, E., Matsushima, M., Takagi, K., Ota, Y., Ishigami, K., Hirayama, T., et al. (2009). Involvement of heme oxygenase-1 in kaempferol-induced anti-allergic actions in RBL-2H3 cells. *Inflammation*, 32(2), 99-108.
- Ho, C. C., Kumaran, A., & Hwang, L. S. (2009). Bio-assay guides isolation and identification of anti-Alzheimer active compounds from the root of *Angelica sinensis*. *Food Chemistry*, 114, 246-252.
- Hobbs, A. J., Higgs, A., & Moncada, S. (1999). Inhibition of nitric oxide synthase as a potential therapeutic target. *Annual Review of Pharmacology and Toxicology*, 39, 191-220.
- Hosseinzadeh, H., Karimi, G., & Ameri, M. (2002). Effect of *Anethum graveolens* L. seed extracts on experimental gastric irritation models in mice. *BMC Pharmacology*, 2:21.

- Hu, M., & Skibsted, L. H. (2002). Antioxidative capacity of rhizome extract and rhizome knot extract of edible lotus (*Nelumbo nucifera*). *Food Chemistry*, 76, 327-333.
- Hua, J. M., Moon, T. C., Hong, T. G., Park, K. M., Son, J. K., & Chang, H. W. (2008). 5-methoxy-8-(2-hydroxy-3-butoxy-3-methylbutyloxy)-psoralen isolated from Angelica dahurica inhibits cyclooxygenase-2 and 5-lipoxygenase in mouse bone marrow-derived mast cells. *Archives of Pharmacal Research*, 31(5), 617-621.
- Huang, L., Yagura, T., & Chen, S. (2008). Sedative activity of hexane extract of *Kaempferia galanga* L. and its active compounds. *Journal of Ethnopharmacology*, 120, 123-125.
- Huang, S.-H., Chen, C.-C., Lin, C.-M., & Chiang, B.-H. (2008). Antioxidant and flavor properties of *Angelica sinensis* extracts as affected by processing. *Journal of Food Composition and Analysis*, 21, 402-409.
- Huang, Y. Z., & Pu, F. D. (1988). Studies on the chemical components of the essential oil from the rhizome of *Ligusticum sinense* Oliv. cv. *chuanxiong* Hort. *Acta pharmaceutica Sinica*, 23(6), 426-429.
- Hyun, S. K., Jung, Y. J., Chung, H. Y., Jung, H. A., & Choi, J. S. (2006). Isorhamnetin glycosides with free radical and ONOO<sup>-</sup> scavenging activities from the stamens of *Nelumbo nucifera*. *Archives of Pharmacal Research*, 29(4), 287-292.
- Ichikawa, K., Kitaoka, M., Taki, M., Takaishi, S., Iijima, Y., Boriboon, M. et al. (1997). Retrodihydrochalcones and homoisoflavones isolated from Thai medicinal plant *Dracaena loureiri* and their estrogen agonist activity. *Planta Medica*, 63(6), 540-543.
- Ikawati, Z., Wahyuono, S., & Maeyama, K. (2001). Screening of several Indonesian medicinal plants for their inhibitory effect on histamine release from RBL-2H3 cells. *Journal of Ethnopharmacology*, 75, 249-256.
- Ischiropoulos, H., Zhu, L., & Beckman, J. S. (1992). Peroxynitrite formation from macrophage-derived nitric oxide. *Archives of Biochemistry and Biophysics*, 298(2), 446-451.

- Jalali-Heravi, M., Zekavat, B., & Sereshi, H. (2007). Use of gas chromatography-mass spectrometry combined with resolution methods to characterize the essential oil components of Iranian *cumin* and *caraway*. *Journal of Chromatography A*, 1143, 215-226.
- Jeong, J. B., Ju, S. Y., Park, J. H., Lee, J. R., Yun, K.W., Kwon, S. T., et al. (2009). Antioxidant activity in essential oils of *Cnidium officinale* makino and *Ligusticum chuanxiong* hort and their inhibitory effects on DNA damage and apoptosis induced by ultraviolet B in mammalian cell. *Cancer Epidemiology*, 33(1), 41-46.
- Jin, D.-Q., Lim, C. S., Hwang, J. K., Ha, I., & Han, J.-S. (2005). Anti-oxidant and anti-inflammatory activities of macelignan in murine hippocampal cell line and primary culture of rat microglial cells. *Biochemical and Biophysical Research Communications*, 331, 1264-1269.
- Jukic, M., Politeo, O., & Milos, M. (2006). Chemical composition and antioxidant effect of free volatile aglycons from nutmeg (*Myristica fragrans* Houtt.) compared to its essential oil. *Croatica Chemica Acta*, 79(2), 209-214.
- Jung, H. A., Kim, J. E., Chung, H. Y., & Choi, J. S. (2003). Antioxidant principles of *Nelumbo nucifera* stamens. *Archives of Pharmacal Research*, 26(4), 279-285.
- Juteau, F., Masotti, V., Bessiere, J. M., Dherbomez, M., & Viano, J. (2002). Antibacterial and antioxidant activities of *Artemisia annua* essential oil. *Fitoterapia*, 73, 532-535.
- Kamchonwongpaisan, S., Nilanonta, C., Tarnchompoon, B., Thebtaranonth, C., Thebtaranonth, Y., Yuthavong, Y., et al. (1995). An antimalarial peroxide from *Amomum krervanh* Pierre. *Tetrahedron Letters*, 36(11), 1821-1824.
- Kan, W. L. T., Cho, C. H., Rudd, J. A., & Lin, G. (2008). Study of the anti-proliferative effects and synergy of phthalides from *Angelica sinensis* on colon cancer cells. *Journal of Ethnopharmacology*, 120(1), 36-43.
- Kanjanapothi, D., Panthong, A., Lertprasertsuke, N., Taesotikul, T., Rujjanawate, C., Kaewpinit, D., et al. (2004). Toxicity of crude rhizome extract of *Kaempferia galangal* L. (Proh Hom). *Journal of Ethnopharmacology*, 90, 359-365.

- Kaur, G., & Arora, D. S. (2009). Antibacterial and phytochemical screening of *Anethum graveolens*, *Foeniculum vulgare* and *Trachyspermum ammi*. *BMC Complementary and Alternative Medicine*, 9:30.
- Khatun, M., Eguchi, S., Yamaguchi, T., Takamura, H., & Matoba, T. (2006). Effect of thermal treatment on radical-scavenging activity of some spices. *Food Science and Technology Research*, 12(3). 178-185.
- Kim, B. H., Reddy, A. M., Lee, K.-H., Chung, E. Y., Cho, S. M., Lee, H., et al. (2004). Inhibitory mechanism of chroman compound on LPS-induced nitric oxide production and nuclear factor- $\kappa$ B activation. *Biochemical and Biophysical Research Communications*, 325, 223-228.
- Kim, H. M., Lee, E. H., Hong, S. H., Song, H. J., Shin, M. K., Kim, S. H. et al. (1998). Effect of *Syzygium aromaticum* extract on immediate hypersensitivity in rats. *Journal of Ethnopharmacology*, 60, 125-131.
- Kim, J.-H., Shin, M.-H., Hwang, Y.-J., Srinivasan, P., Kim, J. K., Park, H. J., et al. (2009). Role of gamma irradiation on the natural antioxidants in cumin seeds. *Radiation Physics and Chemistry*, 78, 153-157.
- Kim, N.-Y., Kang, T.-H., Song, E.-K., Pae, H.-O., Chung, H.-T., & Kim, Y.-C. (2000). Inhibitory effects of butanol fraction of the aqueous extract of *Forsythia koreana* on the nitric oxide production by murine macrophage-like RAW 264.7 cells. *Journal of Ethnopharmacology*, 73, 323-327.
- Kim, S. S., Oh, O.-J., Min, H.-Y., Park, E.-J., Kim, Y., Park, H. J., et al. (2003). Eugenol suppresses cyclooxygenase-2 expression in lipopolysaccharide-stimulated mouse macrophage RAW 264.7 cells. *Life Sciences*, 73, 337-348.
- Kimura, Y., Ohminami, H., Arichi, H., Okuda, H., Baba, K., Kozawa, M., et al. (1982). Effects of various coumarins from *Angelica dahurica* on actions of adrenaline, ATCH and insulin in fat cells. *Planta Medica*, 45(3), 183-187.
- Kimura, Y., Okuda, H., & Baba, K. (1997). Histamine-release effectors from *Angelica dahurica* var. *dahurica* root. *Journal of Natural Products*, 60(3), 249-251.
- Kohler, M., Haerdi, W., Christen, P., & Veuthey, J.-L. (1997). Extraction of artemisinin and artemisinic acid from *Artemisia annua* L. using supercritical carbon dioxide. *Journal of Chromatography A*, 785, 353-360.

- Kosuge, T., Yokota, M., Sugiyama, K., Saito, M., Iwata, Y., Nakura, M., et al. (1985). Studies on anticancer principles in Chinese medicines. II. Cytotoxic principles in *Biota orientalis* (L.) Endl. and *Kaempferia galanga* L. *Chemical & Pharmaceutical Bulletin*, 33(12), 5565-5567.
- Kumar, V. P., Chauhan, N. S., Padh, H., & Rajani, M. (2006). Search for antibacterial and antifungal agents from selected Indian medicinal plants. *Journal of Ethnopharmacology*, 107, 182-188.
- Kwon, Y.-S., Kobayashi, A., Kajiyama, S.-I., Kawazu, K., Kanzaki, H., & Kim, C.-M. (1997). Antimicrobial constituents of *Angelica dahurica* roots. *Phytochemistry*, 44(5), 887-889.
- Landa, P., Marsik, P., Vanek, T., & Kokoska, L. (2007). *In vitro* anti-inflammatory activity of extracts from seeds of some *Nigella* species. *Planta Medica*, 73(9).
- Lao, S. C., Li, S. P., Kan, K. K. W., Li, P., Wan, J. B., Wang, Y. T., et al. (2004). Identification and quantification of 13 components in *Angelica sinensis* (Danggui) by gas chromatography-mass spectrometry coupled with pressurized liquid extraction. *Analytica Chimica Acta*, 526, 131-137.
- Laphookhieo, S., Promnart, P., Syers, J. K., Kanjana-Opas, A., Ponglimanont, C., & Karalai, C. (2007). Coumarins and xanthones from the seeds of *Mammea siamensis*. *Journal of the Brazilian Chemical Society*, 18(5), 1077-1080.
- Lee, J. H., Ko, N. Y., Kim, N. W., Mun, S. H., Kim, J. W., Her, E., et al. (2007). *Meliae cortex* extract exhibits anti-allergic activity through the inhibition of Syk kinase in mast cells. *Toxicology and Applied Pharmacology*, 220, 227-234.
- Lee, K.-G., & Shibamoto, T. (2001). Antioxidant property of aroma extract isolated from clove buds [*Syzygium aromaticum* (L.) Merr. et Perry]. *Food Chemistry*, 74, 443-448.
- Leelapornpisid, P., Chansakaow, S., Chiyasut, C., & Wongwattananukul, N. (2008). Antioxidant activity of some volatile oils and absolutes from Thai aromatic plants. *Acta Horticulturae*, 786, 61-66.

- Li, P., Li, S. P., Lao, S. C., Fu, C. M., Kan, K. K. W., & Wang, Y. T. (2006). Optimization of pressurized liquid extraction for Z-ligustilide, Z-butyldienephthalide and ferulic acid in *Angelica sinensis*. *Journal of Pharmaceutical and Biomedical Analysis*, 40, 1073-1079.
- Li, R., & Jiang, Z.-T. (2004). Chemical composition of the essential oil of *Cuminum cyminum* L' from China. *Flavour and Fragrance Journal*, 19(4), 311-313.
- Li, X.-M., Tian, S.-L., Pang, Z.-C., Shi, J.-Y., Feng, Z.-S., & Zhang, Y.-M. (2009). Extraction of *Cuminum cyminum* essential oil by combination technology of organic solvent with low boiling point and steam distillation. *Food Chemistry*, 115, 1114-1119.
- Liang, M. J., He, L. C., & Yang, G. D. (2005). Screening, analysis and *in vitro* vasodilation of effective compounds from *Ligusticum chuanxiong*. *Life Science*, 78(2), 128-133.
- Lin, C. H., Chang, C. W., Wang, C. C., & Yang, L. L. (2002). Byakangelicol, isolated from *Angelica dahurica*, inhibits both the activity and induction of cyclooxygenase-2 in human pulmonary epithelial cells. *Journal of Pharmacy and Pharmacology*, 54(9), 1271-1278.
- Lin, J. Y., Lai, Y.-S., Liu, C.-J., & Wu, A.-R. (2007). Effects of lotus plumule supplementation before and following systemic administration of lipopolysaccharide on the splenocyte responses of BALB/c mice. *Food and Chemical Toxicology*, 45, 486-493.
- Locksley, R. M., Killeen, N., & Lenardo, M. J. (2001). The TNF and TNF receptor superfamilies: Integrating mammalian biology. *Cell*, 104, 487-501.
- Lu, G.-H., Chan, K., Leung, K., Chan, C.-L., Zhao, Z.-Z., & Jiang, Z.-H. (2005). Assay of free ferulic acid and total ferulic acid for quality assessment of *Angelica sinensis*. *Journal of Chromatography A*, 1608(2), 209-219.
- Lu, X.-h., Zhang, J.-j., Liang, H., & Zhao, Y.-y. (2004). Chemical constituents of *Angelica sinensis*. *Journal of Chinese Pharmaceutical Sciences*, 13(1), 1-3.
- Ma, E.-L., Li, Y.-C., Tsuneki, H., Xiao, J.-F., Xia, M.-Y., Wang, M.-W., et al. (2008).  $\beta$ -Eudesmol suppresses tumour growth inhibition of tumour neovascularisation and tumour cell proliferation. *Journals of Asian Natural Products Research*, 10(2), 159-167.

- MacMicking, J., Xie, Q.-w., & Nathan, C. (1997). Nitric oxide and macrophage function. *Annual Review of Immunology*, 15, 325-350.
- Mahmood, M. S., Gilani, A. H., Khwaja, A., Rashid, A., & Ashfaq, M. K. (2003). The *in vitro* effect of aqueous extract of *Nigella sativa* seeds on nitric oxide production. *Phytotherapy Research*, 17(8), 921-924.
- Marsik, P., Kokoska, L., Landa, P., Nepovim, A., Soudek, P., & Vanek, T. (2005). *In vitro* inhibitory effects of thymol and quinones of *Nigella sativa* seeds on cyclooxygenase-1- and -2- catalyzed prostaglandin E<sub>2</sub> biosyntheses. *Planta Medica*, 71, 739-742.
- Matsuda, H., Tewtrakul, S., Morikawa, T., Nakamura, A., & Yoshikawa, M. (2004). Anti-allergic principles from Thai zedoary: structural requirements of curcuminoids for inhibition of degranulation and effect on the release of TNF- $\alpha$  and IL-4 in RBL-2H3 cells. *Journal of Bioorganic & Medicinal Chemistry*, 12, 5891-5898.
- Matsuda, H., Tewtrakul, S., Morikawa, T., & Yoshikawa, M. (2004). Anti-allergic activity of stilbenes from *Korean rhubarb* (*Rheum undulatum* L.): structure requirements for inhibition of antigen-induced degranulation and their effects on the release of TNF- $\alpha$  and IL-4 in RBL-2H3 cells. *Journal of Bioorganic & Medicinal Chemistry*, 12, 4871-4876.
- Matsushima, M., Takagi, K., Ogawa, M., Hirose, E., Ota, Y., Abe, F., et al. (2009) Heme oxygenase-1 mediates the anti-allergic actions of quercetin in rodent mast cell. *Inflammation Research*, 58(10), 705-715.
- Mazumder, R., Dastidar, S. G., Basu, S. P., Mazumder, A., & Singh, S. K. (2004). Antibacterial potentiality of *Mesua ferrea* Linn. flowers. *Phytotherapy Research*, 18(10), 824-826.
- Meksuriyen, D., Cordell, G. A., Ruangrungst, N., & Tantivatana, P. (1987). Traditional medicinal plants of Thailand, IX. 10-Hydroxy-11-methoxydracaenone and 7,10-dihydroxy-11-methoxydracaenone from *Dracaena loureiri*. *Journal of Natural Products*, 50(6), 1118-1125.

- Moon, T. C., Jin, M., Son, J. K., & Chang, H. W. (2008). The effects of isoimperatorin isolated from *Angelicae dahuricae* on cyclooxygenase-2 and 5-lipoxygenase in mouse bone marrow-derived mast cells. *Archives of Pharmacal Research*, 31(2), 210-215.
- Moreira, M. R., Ponce, A. G., del Valle, C. E., & Roura, S. I. (2005). Inhibitory parameters of essential oils to reduce a foodborne pathogen. *LWT-Food Science and Technology*, 38, 564-570.
- Morita, T., Jinno, K., Kawagishi, H., Arimoto, Y., Suganuma, H., Inakuma, T., et al. (2003). Hepatoprotective effect of myristicin from nutmeg (*Myristica fragrans*) on lipopolysaccharide/D-galactosamine-induced liver injury. *Journal of Agricultural and Food Chemistry*, 51, 1560-1565.
- Naeini, A., Khosravi, A. R., Chitsaz, M., Shokri, H., & Kamlnejad, M. (2009). Anti-*Candida albicans* activity of some Iranian plants used in traditional medicine. *Journal de Mycologie Medicale*, 19, 168-172.
- Nagai, H., Teramachi, H., & Tuchiya, T. (2006). Recent advances in the development of anti-allergic drugs. *Allergology International*, 55, 35-42.
- Nair, M. K. M., Vasudevan, P., & Venkitanarayanan, K. (2005). Antibacterial effect of black seed oil on *Listeria monocytogenes*. *Food Control*, 16, 395-398.
- Nair, R., & Chanda, S. V. (2007). Antibacterial activities of some medicinal plants of the western region of India. *Turkish Journal of Biology*, 31, 231-236.
- Nakai, Y., Kido, T., Hashimoto, K., Kase, Y., Sakakibara, I., Higuchi, M., et al. (2003). Effect of the rhizomes of *Atractylodes lancea* and its constituents on the delay of gastric emptying. *Journal of Ethnopharmacology*, 84, 51-55.
- Nakatani, K., Atsumi, M., Arakawa, T., Oosawa, K., Shimura, S., Nakahata, N. et al. (2002). Inhibitions of histamine release and prostaglandin E<sub>2</sub> synthesis by mangosteen, a thai medicinal plant. *Journal of Pharmacology Society of Japan*, 25, 1137-1140.
- Nordin, K., Ahmad, F. B. H., Taufiq-Yap, Y. H., & Ali, A. M. (2004). Volatile components of methanol extract from the flower of Malaysian *Mesua ferrea* Linn. *Oriental Journal of Chemistry*, 20(1), 69-72.

- Oh, H., Lee, H.-S., Kim, T., Chai, K.-Y., Chung, H.-T., Kwon, T.-O., et al. (2002). Furocoumarins from *Angelica dahurica* with hepatoprotective activity on tacrine-induced cytotoxicity in Hep G2 cells. *Planta Medica*, 68(5), 463-464.
- Othman, R., Ibrahim, H., Mohd, M. A., Mustafa, M. R., & Awang, K. (2006). Bioassay-guided isolation of a vasorelaxant active compound from *Kaempferia galanga* L. *Phytomedicine*, 13, 61-66.
- Oussalah, M., Caillet, S., Saucier, L., & Lacroix, M. (2006). Antimicrobial effects of selected plant essential oils on the growth of *Pseudomonas putida* strain isolated from meat. *Meat Science*, 73, 236-244.
- Oussalah, M., Caillet, S., Saucier, L., & Lacroix, M. (2007). Inhibition effects of selected plant essential oils on the growth of four pathogenic bacteria: *E. coli* O157:H7, *Salmonella* Typhimurium, *Staphylococcus aureus* and *Listeria monocytogenes*. *Food Control*, 18, 414-420.
- Ozaki, Y. (1992). Antiinflammatory effect of tetramethylpyrazine and ferulic acid. *Chemical & Pharmaceutical Bulletin*, 40(4), 954-956.
- Ozaki, Y., Soedigdo, S., Wattimena, Y. R., & Suganda, A. G. (1989). Antiinflammatory effect of mace, aril of *Myristica fragrans* Houtt., and its active principles. *The Japanese Journal of Pharmacology*, 49, 155-163.
- Parekh, J., & Chanda, S. V. (2008). Antibacterial activity of aqueous and alcoholic extracts of 34 Indian medicinal plants against some *Staphylococcus* species. *Turkish Journal of Biology*, 32, 63-71.
- Patel, U., Kulkarni, M., Undale, V., & Bhasale, A. (2009). Evaluation of diuretic activity of aqueous and methanol extracts of *Lepidium sativum* garden cress (Cruciferae) in rats. *Tropical Journal of Pharmaceutical Research*, 8(3), 215-219.
- Patwardhan, B., & Gautam, M. (2005). Botanical immunodrugs: scope and opportunities. *Drugdiscoverytoday*, 10(7), 495-502.
- Phuwapraisirisan, P., Tip-pyang, S., Sowanhip, P., Supudompol, B., Bhanthumnavim, W., & Sathanasaowapak, S. (2001). 4-Phenylcoumarins and antibacterial phenolic compounds from *Mammea siamensis*. *ACGC Chemical Research Communications*, 13, 28-32.

- Piao, X. L., Park, I. H., Baek, S. H., Kim, H. Y., Park, M. K., & Park, J. H. (2004). Antioxidative activity of furanocoumarins isolated from *Angelicae dahuricae*. *Journal of Ethnopharmacology*, 93, 243-246.
- Qiao, S. Y., Yao, X. S., & Wang, Z. Y. (1996). Coumarins of the roots of *Angelica dahurica*. *Planta Medica*, 62(6), 584.
- Rai, S., Wahile, A., Mukherjee, K., Saha, B. P., & Mukherjee, P. K. (2006). Antioxidant activity of *Nelumbo nucifera* (sacred lotus) seeds. *Journal of Ethnopharmacology*, 104, 322-327.
- Ramos, A., Visozo, A., Piloto, J., Garcia, A., Rodriguez, C. A., & Rivero, R. (2003). Screening of antimutagenicity via antioxidant activity in Cuban medicinal plants. *Journal of Ethnopharmacology*, 87, 241-246.
- Rasooli, I., Rezaee, M. B., Moosavi, M. L., & Jaimand, K. (2003). Microbial sensitivity to and chemical properties of the essential oil of *Artemisia annua* L. *Journal of Essential Oil Research*, 15(1), 59-62.
- Reanmongkol, W., Subhadhirasakul, S., & Bouking, P. (2003). Antinociceptive and antipyretic activities of extracts and fractions from *Dracaena loureiri* in experimental animals. *Songklanakarin Journal of Science and Technology*, 25(4), 467-476.
- Resch, M., Steigel, A., Chen, Z.-L., & Bauer, R. (1998). 5-Lipoxygenase and cyclooxygenase-1 inhibitory active compounds from *Atractylodes lancea*. *Journal of Natural Products*, 61, 347-350.
- Resch, M., Heilmann, J., Steigel, A., & Bauer, R. (2001). Further phenols and polyacetylenes from the rhizomes of *Atractylodes lancea* and their anti-inflammatory activity. *Planta Medica*, 67, 437-442.
- Ridtitid, W., Sae-Wong, C., Reanmongkol, W., & Wongnawa, M. (2008). Antinociceptive activity of the methanolic extract of *Kaempferia galanga* Linn. in experiment animals. *Journal of Ethnopharmacology* 118, 225-230.
- Sagdic, O., & Ozcan, M. (2003). Antibacterial activity of Turkish spice hydrosols. *Food Control*, 14, 141-143.

- Saha, K., Lajis, N. H., Israf, D. A., Hamzah, A. S., Khozirah, S., Khamis, S., et al. (2004). Evaluation of antioxidant and nitric oxide inhibitory activities of selected Malaysian medicinal plants. *Journal of Ethnopharmacology*, 92, 263-267.
- Saha, M. R., Hasan, S. M. R., Akter, R., Hossain, M. M., Alam, M. A., & Mazumder, M. E. H. (2008). *In vitro* free radical scavenging activityof methanol extract of the leaves of *Mimusops elengi* Linn. *Bangladesh Journal of Veterinary Medicine*, 6(2), 197-202.
- Salem, M. L. (2005). Immunomodulatory and therapeutic properties of the *Nigella sativa* L. seed. *International Immunopharmacology*, 5, 1749-1770.
- Satyanarayana, S., Sushruta, K., Sarma, G. S., Srinivas, N., & Raja, G. V. S. (2004). Antioxidant activity of the aqueous of spicy food additives-evaluation and comparison with ascorbic acid in in vitro system. *Journal of Herbal Pharmacotherapy*, 4(2), 1-10.
- Sayyah, M., Peirovi, A., & Kamalinejad, M. (2002). Anti-nociceptive effect of the fruit essential oil of *Cuminum cyminum* L. in rat. *Iranian Biomedical Journal*, 6(4), 141-145.
- Schwartz, L. B., Lewis, R. E., Seldin, D., & Austen, F. (1981). Acid hydrolyses and tryptase from secretory granules of dispersed human lung mast cells. *Journal of Immunology*, 126(4), 1290-1294.
- Shahwar, D., & Raza, M. A. (2009). *In vitro* antibacterial activity of extracts of *Mimusops elengi* against gram positive and gram negative bacteria. *African Journal of Microbiology Research*, 3(8), 458-462.
- Shin, K. H., Moon, K. H., & Woo, W. S. (1991). Two minor furanocoumarins of *Angelica dahurica*. *Archives of Pharmacal Research*, 14(2), 165-166.
- Sies, H. (1997). Oxidative stress: oxidants and antioxidants. *Experimental Physiology*, 82, 291-295.
- Singh, G., Marimuthu, P., De Heluani, C. S., & Catalan, C. (2005). Antimicrobial and antioxidant potentials of essential oil and acetone extract of *Myristica fragrans* Houtt. (aril part). *Journal of Food Science*, 70(2), M141-M148.

- Singh, G., Maurya, S., de Lampasona, M. P., & Catalan, C. (2005). Chemical constituents, antimicrobial investigations, and antioxidative potentials of *Anethum graveolens* L. essential oil and acetone extract: Part 52. *Journal of Food Science*, 70(4), M208-M215.
- Singh, N. P., & Lai, H. C. (2005). Synergistic cytotoxicity of artemisinin and sodium butyrate on human cancer cells. *Anticancer Research*, 25(6B), 4325-4331.
- Sirat, H. M., Hong, L. F., & Khaw, S. H. (2000). Monoterpenes from the fruits of *Amomum testaceum*. *ACGC Chemical Research Communications*, 10, 27-32.
- Sirat, H. M., Hong, L. F., & Khaw, S. H. (2001). Chemical compositions of the essentialoil of the fruits of *Amomum testaceum* Ridl. *Journal of Essential Oil Research*, 13(2), 86-87.
- Sittiwet, C. (2009). Antimicrobial activity of essential oil from *Nelumbo nucifera* Gaertn. pollen. *International Journal of Pharmacology*, 5(1), 98-100.
- Souri, E., Amin, Gh., Farsam, H., & Andaji, S. (2004). The antioxidant activity of some commonly used vegetables in Iranian diet. *Fitoterapia*, 75, 585-588.
- Subhadhirasakul, S., & Pechpongs, P. (2005). A terpenoid and two steroids from the flowers of *Mammea siamensis*. *Songklanakarin Journal of Science and Technology*, 27(2), 555-561.
- Sun, Y., & Wang, W. (2008). Ultrasonic extraction of ferulic acid from *Ligusticum chuanxiong*. *Journal of the Chinese Institute of Chemical Engineers*, 39(6), 653-656.
- Surveswaran, S., Cai, Y. Z., Corke, H., & Sun, M. (2007). Systematic evaluation of natural phenolic antioxidants from 133 Indian medicinal plants. *Food Chemistry*, 102, 938-953.
- Swamy, S. M. K., & Tan, B. K. H. (2000). Cytotoxic and immunopotentiating effects of ethanolic extract of *Nigella sativa* L. seeds. *Journal of Ethnopharmacology*, 70, 1-7.
- Tangscharit, P., Kukongviriyapan, V., Kukongviriyapan, U., & Airarat, W. (2006). Screening for analysic and anti-inflammatory activities of extracts from local vegetables in Northeast Thailand. *Srinagarind Medical Journal*, 21(4), 305-310.

- Tekeoglu, I., Dogan, A., Ediz, L., Budancamanak, M., & Demirel, A. (2007). Effects of thymoquinone (volatile oil of black cumin) on rheumatoid arthritis in rat models. *Phytotherapy Research*, 21, 895-897.
- Telci, I., Demirtas, I., & Sahin, A. (2009). Variation in plant properties and essential oil composition of sweet fennel (*Foeniculum vulgare* Mill.) fruits during stages of maturity. *Industrial Crops and Products*, 30, 126-130.
- Tewtrakul, S., & Itharat, A. (2007). Nitric oxide inhibitory substances from the rhizomes of *Dioscorea membranacea*. *Journal of Ethnopharmacology*, 109, 412-416.
- Tewtrakul, S., Itharat, A., Thammaratwasik, P., & Ooraikul, B. (2008). Anti-allergic and anti-microbial activities of some Thai crops. *Songklanakarin Journal of Science and Technology*, 30(4), 467-473.
- Tewtrakul, S., & Subhadhirasakul, S. (2007). Anti-allergic activity of some selected plants in the Zingiberaceae family. *Journal of Ethnopharmacology*, 109, 535-538.
- Tewtrakul, S., & Subhadhirasakul, S. (2008). Effects of compounds from *Kaempferia parviflora* on nitric oxide, prostaglandin E<sub>2</sub> and tumor necrosis factor-alpha productions in RAW 264.7 macrophage cells. *Journal of Ethnopharmacology*, 120, 81-84.
- Tewtrakul, S., Tansakul, P., & Panichayupakaranant, P. (2009). Anti-allergic principle of *Rhinacanthus nasutus* leaves. *Phytomedicine*, 16, 929-934.
- Tewtrakul, S., Yuenyongsawad, S., Kum mee, S., & Atsawajaruwan, L. (2005). Chemical components and biological activities of volatile oil of *Kaempferia galanga* Linn. *Songklanakarin Journal Science and Technology*, 27(2), 503-507.
- Tezuka, Y., Irikawa, S., Kaneko, T., Banskota, A. H., Nagaoka, T., Xiong, Q., et al. (2001). Screening of Chinese herbal drug extracts for inhibitory activity on nitric oxide production and identification of an active compound of *Zanthoxylum bungeanum*. *Journal of Ethnopharmacology*, 77, 209-217.
- Thanh, P. N., Jin, W. Y., Song, G.Y., Bae, K. H., & Kang, S. S. (2004). Cytotoxic coumarins from the root of *Angelica dahurica*. *Archives of Pharmacal Research*, 27(12), 1211-1215.

- Thippeswamy, N. B., & Naidu, K. A. (2005). Antioxidant potency of cumin varieties—cumin, black cumin and bitter cumin—on antioxidant systems. *European Food Research and Technology*, 220, 472-476.
- Tomaino, A., Cimino, F., Zimbalatti, V., Venuti, V., Sulfaro, V., De Pasquale, A., et al. (2005). Influence of heating on antioxidant activity and the chemical composition of some spice essential oils. *Food Chemistry*, 89, 549-554.
- Topal, U., Sasaki, M., Goto, M., & Otles, S. (2008). Chemical compositions and antioxidant properties of essential oils from nine species of Turkish plants obtained by supercritical carbon dioxide extraction and steam distillation. *International Journal of Food Sciences and Nutrition*, 59(7-8), 619-634.
- Tsai, G.-C., & Yang, L.-L. (1997). Antioxidative principles of *Angelica dahurica* var. *pai chi*. *Taiwan Kexue*, 50(1), 139-153.
- Tzeng, T.-C., Lin, Y.-L., Jong, T.-T., & Chang, C.-M. J. (2007). Ethanol modified supercritical fluids extraction of scopoletin and artemisinin from *Artemisia annua* L. *Separation and Purification Technology*, 56, 18-24.
- Ul'chenko, N. T., Khushbaktova, Z. A., Bekker, N. P., Kidisyuk, E. N., Syrov, V. N., & Glushenkova, A. I. (2005). Lipid from flowers and leaves of *Artemisia annua* and their biological activity. *Chemistry of Natural Compounds*, 41(3), 280-284.
- Verotta, L., Lovaglio, E., Vidari, G., Finzi, P. V., Neri, M. G., Raimondi, A., et al. (2004). 4-Alkyl- and α-phenylcoumarins from *Mesua ferrea* as promising multidrug resistant antibacterials. *Phytochemistry*, 65, 2867-2879.
- Viuda-Martos, M., Ruiz-Navajas, Y., Fernandez-Lopez, J., & Perez-Alvarez, J. A. (2007). Chemical composition of the essential oils obtained from spices widely used in Mediterranean region. *Acta Chimica Slovenica*, 54(4), 921-926.
- Viuda-Martos, M., Ruiz-Navajas, Y., Fernandez-Lopez, J., & Perez-Alvarez, J. A. (2008). Antibacterial activity of different essential oils obtained from spices widely used in Mediterranean diet. *International Journal of Food Science and Technology*, 43, 526-531.

- Wang, C., He, L., Wang, N., & Liu, F. (2009). Screening anti-inflammatory components from Chinese traditional medicines using a peritoneal macrophage/cell membrane chromatography-offline-GC/MS method. *Journal of Chromatography B*, 877, 3019-3024.
- Wang, H.-X., Liu, C.-M., Liu, Q., & Gao, K. (2008). Three types of sesquiterpenes from rhizomes of *Atractylodes lancea*. *Phytochemistry*, 69, 2088-2094.
- Wang, J.-X., Tang, W., Yang, Z.-S., Wan, J., Shi, L.-P., Zhang, Y., et al. (2007). Suppressive effect of a novel water-soluble artemisinin derivatives SM905 on T cell activation and proliferation in vitro and in vivo. *European Journal of Pharmacology*, 564, 211-218.
- Wojdylo, A., Oszmianski, J., & Czemerys, R. (2007). Antioxidant activity and phenolic compounds in 32 selected herbs. *Food Chemistry*, 105, 940-949.
- Yamasaki, K., Hashimoto, A., Kokusenya, Y., Miyamoto, T., & Sato, T. (1994). Electro chemical method for estimating the antioxidative effects of methanol extracts of crude drugs. *Chemical & Pharmaceutical Bulletin*, 42, 1663-1665.
- Yamashita, K., Suzuki, Y., Matsui, T., Yoshimaru, T., Yamaki, M., Karasaki, M. S., et al. (2000). *Epigallocatechin Gallate* inhibits histamine release from rat basophilic leukemia (RBL-2H3) cells: role of tyrosine phosphorylation pathway. *Biochemical and Biophysical Research Communications*, 274, 603-608.
- Yang, S.-L., Roberts, M. F., O'Neili, M. J., Bucar, F., & Phillipson, J. D. (1995). Flavonoids and chromenes from *Artemisia annua*. *Phytochemistry*, 38(1), 255-257.
- Yang, T., Jia, M., Meng, J., Wu, H., & Mei, Q. (2006). Immunomodulatory activity of polysaccharide isolated from *Angelica sinensis*. *International Journal of Biological Macromolecules*, 39, 179-184.
- Yang, X., Zhao, Y., Zhou, Y., Lv, Y., Mao, J., & Zhao, P. (2007). Component and antioxidant properties of polysaccharide fractions isolated from *Angelica sinensis* (Oliv.) Diels. *Biological & Pharmaceutical Bulletin*, 30(10), 1884-1890.

- Yu, D.-Q. (1998). Recent results on structural chemistry of new natural products from Chinese herbal medicine. *Pure and Applied Chemistry*, 70, 431-434.
- Zhang, W., Zhong, Z., & Zhou, X. (2007). Analysis of supercritical CO<sub>2</sub> extraction products from *Kaempferia galanga* L. by GC-MS. *Guangdong Yaoxueyuan Xuebao*, 23(3), 254-256.

### **Other Materials**

- Chirathaworn, C., Kongcharoensuntorn, W., Charadram, P., Pongpanich, A., & Poovorawan, Y. (2005). Effects of *Dracaena loureiri* Gagnep and *Myristica fragrans* Houtt extraction on proliferation of a leukemia cell line. 31<sup>st</sup> Congress on Science and Technology of Thailand. Nakhonratchasima, Thailand.
- Itharat, A. (2002). Studies on bioactivity and compounds of five Thai medicinal plants called ‘Hua-Khao-Yen’. Unpublished doctor of philosophy’s thesis, University of London, Department of Pharmacy.
- Kongcharoensuntorn, W., Chomosot, N., Jindamol, J., Arrayasillapathon, J., Charadram, P., Ounarom, S., et al. (2005). Screening of some Thai medicinal plants for antimicrobial activity and antioxidant activity against microorganisms. 31<sup>st</sup> Congress on Science and Technology of Thailand. Nakhonratchasima, Thailand.
- Sae-Wong, C. (2007). Studies on analgesic, antipyretic and anti-inflammatory activities of methanol extract of *Kaempferia galanga* L. in experimental animals. Unpublished master’s thesis, Prince of Songkla University, Faculty of Sciences.
- Sawasdee, K. (2001). *Inhibitors of cyclooxygenase-2 from Dracaena loureiri stem*. Unpublished master’s thesis, Chulalongkorn University, Faculty of Pharmaceutical Sciences.
- Wibuloutai, J. (2006). Inhibitory effect of nitric oxide production on inflammation and apoptosis in macrophage RAW 264.7 by extract from seed coat of *Tamarindus indica* L. Unpublished doctor of philosophy’s thesis, Suranaree University of Technology, Faculty of Sciences.

## Electronic Media

- Briand, C. (2009). *Nelumbo nucifera* (*Nymphaeaceae*) sacred lotus. Retrieved December 23, 2009, from  
<http://www.salisbury.edu/arboretum/perennia/nenu/nenuhm.html>
- Brotonegoro, S., & Wiharti, W. (2001). *Lepidium sativum* L. Retrieved December 18, 2009, from  
[http://www.proseanet.org/prosea/e-prosea\\_detail.php?frt=&id=1160](http://www.proseanet.org/prosea/e-prosea_detail.php?frt=&id=1160)
- Bunnak, C. (2007). Finding 5 causes of “allergy”. Retrieved December 1, 2007, from  
<http://songkhlahealth.org/paper/216>
- Cambridge Public Schools. (2010). *Inflammatory mediators*. Retrieved February 7, 2010, from  
[http://www.cps.ci.cambridge.ma.us/CRLS/LC\\_R/classrooms/AUGUSTINE/I\\_inflammatory\\_Response/index\\_files/frame.html#slide0077.html](http://www.cps.ci.cambridge.ma.us/CRLS/LC_R/classrooms/AUGUSTINE/I_inflammatory_Response/index_files/frame.html#slide0077.html)
- Charters, M. L. (2009). *Foeniculum vulgare* Miller. Retrieved December 16, 2009, from <http://www.calflora.net/bloomingplants/sweetfennel.html>
- Cyber Herb Medicine Simulation Room. (2009). *Ligusticum sinense* Oliv. Retrieved December 19, 2009, from  
[http://herb.daegu.go.kr/jpn/exhibit/herb.display2.asp?seq=89&sch\\_keyword=&current\\_page=17](http://herb.daegu.go.kr/jpn/exhibit/herb.display2.asp?seq=89&sch_keyword=&current_page=17)
- Ferreira, J., & Janick, J. (2009). *Annual Wormwood* (*Artemisia annua* L.). Retrieved November 30, 2009, from  
<http://www.hort.purdue.edu/newcrop/CropFactSheets/artemisia.pdf>
- Flora of China. (2009a). *Angelica dahurica* (Fischer ex Hoffmann) Bentham & J. D. Hooker ex Franchet & Savatier. Retrieved November 17, 2009, from  
[http://www.efloras.org/florataxon.aspx?flora\\_id=2&taxon\\_id=200015358](http://www.efloras.org/florataxon.aspx?flora_id=2&taxon_id=200015358)
- Flora of China. (2009b). *Angelica sinensis* (Oliver) Diels. Retrieved November 20, 2009, from  
[http://www.efloras.org/florataxon.aspx?flora\\_id=2&taxon\\_id=200015389](http://www.efloras.org/florataxon.aspx?flora_id=2&taxon_id=200015389)
- Floridata.com LC. (1996). *Anethum graveolens*. Retrieved November 14, 2009, from  
[http://www.floridata.com/ref/A/anet\\_gra.cfm](http://www.floridata.com/ref/A/anet_gra.cfm)

- FuZhou Corona Science & Technology Development Co.,Ltd. (2009). *Manufacturer of herbals powders--plant powders extracts*. Retrieved November 18, 2009, from  
[http://www.fzrm.com/plantextracts/Dahurian\\_Angelica\\_Root\\_extract.htm](http://www.fzrm.com/plantextracts/Dahurian_Angelica_Root_extract.htm)
- Griffee, P. (2005). *Artemisia annua (annual wormwood)*. Retrieved November 30, 2009, from <http://griffee.org/fieldnotes/artemisia-annua>
- Hijjas, A. (2008). *Plant species in the Taman Sari*. Retrieved December 22, 2009, from  
[http://www.rimbundahan.org/environment/plant\\_lists/taman\\_sari/index.htm](http://www.rimbundahan.org/environment/plant_lists/taman_sari/index.htm)
- History & Special Collections UCLA Louise M. Darling Biomedical Library. (2002). *Spices exotic flavors & medicines*. Retrieved November 9, 2009, from <http://web.archive.org/web/20070225070249/http://unitproj.library.ucla.edu/biomed/spice/index.cfm>
- Katprasat, N., & Matthawarat, P. (2006). *Mimusops elengi* L. Retrieved December 22, 2009, from  
[http://clgc.rdi.ku.ac.th/resource/fragrant/bullet\\_wood/mimusops.html](http://clgc.rdi.ku.ac.th/resource/fragrant/bullet_wood/mimusops.html)
- Katzer, G. (2006a). *Cumin (Cuminum cyminum* L.). Retrieved December 9, 2009, from [http://www.uni-graz.at/~katzer/engl/Cumi\\_cym.html](http://www.uni-graz.at/~katzer/engl/Cumi_cym.html)
- Katzer, G. (2006b). *Garden cress (Lepidium sativum* L.), Water cress (*Nasturtium officinale* L.) and *Nasturtium (Tropaeolum majus* L.). Retrieved December 18, 2009, from [http://www.uni-graz.at/~katzer/engl/Lepi\\_sat.html](http://www.uni-graz.at/~katzer/engl/Lepi_sat.html)
- Katzer, G. (2006c). *Clove (Syzygium aromaticum* (L.) Merr. et Perry). Retrieved January 13, 2010, from [http://www.uni-graz.at/~katzer/engl/Syzy\\_aro.html](http://www.uni-graz.at/~katzer/engl/Syzy_aro.html)
- Lotus Herbs Egypt. (2009). *Our Products*. Retrieved December 16, 2009, from <http://lotusherbsegypt.com/products.html>
- Ministry of Science and Technology. (2007). *Thai herb database*. Retrieved November 9, 2009, from <http://thaiherb.most.go.th/plantdetail.php?id=524>
- Natural Products Research Center. (2008). *Dracaena loureiri* Gagnep. Retrieved December 12, 2009, from  
<http://www.sc.psu.ac.th/units/nature/Thai%20medicinal%20plants/plants/Dracaena%20loureiri%20Gangnep..htm>

- Panich, V. (2009). *Mammea siamensis* Kosterm. Retrieved December 20, 2009, from  
<http://gotoknow.org/blog/thaikm/244997>
- Schooley, J. (2003). *Chinese Angelica (Dang Gui)*. Retrieved November 26, 2009,  
from <http://www.omafra.gov.on.ca/english/crops/hort/herbs/cangel.htm>
- Schopke, T. (2009). *Nigella sativa* L. Retrieved January 7, 2010, from  
<http://botany.csdl.tamu.edu/FLORA/imaxxran.htm>
- Siriit-tiwomg, U., & Sae-sue, V. (2006). *Mesua ferrea* L. Retrieved December 20,  
2009, from [http://www.thaigoodview.com/library/studentshow/2549/m6-4/no35-47/kab\\_heo\\_rer/sec09p30.html](http://www.thaigoodview.com/library/studentshow/2549/m6-4/no35-47/kab_heo_rer/sec09p30.html)
- Skinner, D. (2000). *Plant datasheet*. Retrieved December 17, 2009, from  
<http://www.gingersrus.com/DataSheet.php?PID=3264>
- Wikimedia commons. (2007). *File:Anethum graveolens Van.JPG*. Retrieved  
November 15, 2009, from  
[http://commons.wikimedia.org/wiki/File:Anethum\\_graveolens\\_Ven.JPG](http://commons.wikimedia.org/wiki/File:Anethum_graveolens_Ven.JPG)
- Wikipedia, the free encyclopedia. (2009). *Cumin*. Retrieved December 9, 2009, from  
<http://en.wikipedia.org/wiki/Cumin>