

REFERENCES

- [1] Brun V, Schumacher T, *Traditional herbal medicine in Northern Thailand*, Berkeley, University of California Press, 1987.
- [2] Mor Jan Tamakeaw, Pan district, Chiang Rai, interview, 2006.
- [3] Mor Prateep Jarerncome, Ngaw district, Lampang, interview, 2006.
- [4] Mor Som Janrit, Wianggan district, Chiang Rai, interview, 2006.
- [5] Local traditional healers, Sunpatong district, Chiang Mai, interview, 2008.
- [6] Kadchumsang, S, "Chemical constituents and biological activity of *Leea rubra* Blume ex Spreng.", M.S. Thesis, Chiang Mai University, 2008.
- [7] Houghton PJ, Hylands PJ, Mensah AY, Hensel A, Deters AM, "In vitro tests and ethnopharmacological investigations: wound healing as an example", *J Ethnopharmacol*, 2005, 100(1-2), 100-7.
- [8] Srinivas RB, Reddy RKK, Naidu VG, Madhusudhana K, Agwane SB, Ramakrishna S, *et al*, "Evaluation of antimicrobial, antioxidant and wound-healing potentials of *Holoptelea integrifolia*", *J Ethnopharmacol*, 2008, 115(2), 249-56.
- [9] ประสงค์ แสงงาม, สิรินุช วงศ์กุล, สายนทีบุญทา, และณิชภา ชินะวงศ์, ห้องเรียนภูมิปัญญาล้านนา: ห้องเรียนชีวิต เรียนรู้ภูมิปัญญาเพื่อการพึ่งพาตนเอง, เชียงใหม่, โสงเสียนสืบสานภูมิปัญญาล้านนา, 2548.
- [10] Bauer AW, Kirby WM, Sherris JC, Turck M, "Antibiotic susceptibility testing by a standardized single disk method", *Am J Clin Pathol*, 1966, 45(4), 493-6.

- [11] Washington JA, Sutter VL, "*Dilution susceptibility test: agar and macro-broth dilution procedures*". In: Lenette EH, Balows A, Hausler Jr, W J, Truant JP, editors, *Manual of clinical microbiology*, 3rd ed, Washington D.C., American Society for Microbiology, 1980, 453-8.
- [12] Cadenas E, Packer L, *Handbook of antioxidants*, Marcel Dekker, 1996.
- [13] Papas AM, *Antioxidant status, diet, nutrition, and health*, Florida, CRC Press LLC, 1997.
- [14] Packer L, Hiramatsu M, Yoshikawa T, *Antioxidant food supplements in human health*, San Diego, Academic Press, 1999.
- [15] Baskin SI, Salem H, *Oxidative antioxidant and free radical*, USA, Taylor & Francis, 1997.
- [16] Pokorny J, ., Yanishlieva N, Gordon M, *Antioxidant in food*, England, Woodhead Publishing Ltd, 2001.
- [17] Grotewold E, *The science of flavonoids*, New York, Springer, 2006.
- [18] Winkel BSJ, "*The biosynthesis of flavonoids*". In: Grotewold E, editor. *The science of flavonoids*, New York, Springer, 2006, 72.
- [19] Gordon MH, "*Measuring antioxidant activity*". In: Pokorny J, Yanishlieva N, Gordon M, editors, *Antioxidants in Food - Practical Applications*, Woodhead Publishing Ltd, 2001.
- [20] Benzie IFF, Strain JJ, "The ferric reducing ability of plasma (FRAP) as a measure of "antioxidant power": the FRAP assay", *Biochem Anal Biochem*, 1996, 239, 70–6.
- [21] Prior RL, Wu X, Schaich K, "Standardized methods for the determination of antioxidant capacity and phenolics in foods and dietary supplements", *J Agric Food Chem*, 2005, 53(10), 4290-302.

- [22] Handa SS, Khanuja SPS, *Extraction Technologies for Medicinal and Aromatic Plants*, Italy, International Centre for Science and High Technology, 2008.
- [23] Roberts JD, Caserio MC, *Basic principles of organic chemistry*, 2nd ed, Menlo Park, Calif, W. A. , Benjamin, 1977.
- [24] Silverstein RM, Webster FX, Kiemle DJ, *Spectrometric identification of organic compounds*, 7th ed, Hoboken, NJ, John Wiley & Sons, 2005.
- [25] Wu Z, Peter HR, *Flora of China Vol. 18*, Missouri Botanical Garden Press, 1998.
- [26] Wu Z, Peter HR, Hong D, *Flora of China Vol. 10*, Missouri Botanical Garden Press, 2010.
- [27] Giesen W, Wulffraat S, Zieren M, Scholten L, *Mangrove guidebook for Southeast Asia*, Thailand, Dharmasarn Co., Ltd., 2007.
- [28] Wu Z, Peter HR, Hong D, *Flora of China Vol. 11*, Missouri Botanical Garden Press, 2008.
- [29] Haron NW, "*Combretum quadrangulare Kurz*". In: van Valkenburg JLCH, Bunyaphatsara N, editors, *Plant resources of South-East Asia No 12(2): medicinal and poisonous plants 2*, Leiden, The Netherlands, Backhuys Publisher, 2001, 180.
- [30] Wu Z, Peter HR, Hong D, *Flora of China Vol. 13* Missouri Botanical Garden Press, 2007.
- [31] วีระชัย ฅ นคร, สวนพฤกษศาสตร์สมเด็จพระนางเจ้าสิริกิติ์ เล่ม 3, กรุงเทพฯ, องค์การสวนพฤกษศาสตร์, 2544.
- [32] Lorenzana R, LaFrankie JV , "*Flora of the Philippines: Erythroxylaceae*", *Flora of the Philippines*, updated August 29, 2013, University of the Philippines, Website <http://www.philippineflora.info> 12 August 2014.

- [33] Slik JWF, "Erythroxyllum cuneatum (Miq.) Kurz", Plants of Southeast Asia, Website <http://www.asianplant.net> 12 August 2014.
- [34] Welzen PCv, Kongkanda C, *Flora of Thailand*, , Vol 8, part 2, Bangkok, The Forest Herbarium, National Park, Wildlife and Plant Conservation Department, 2007, 582-4.
- [35] Uji T, "*Leea rubra Blume ex Spreng.*". In: van Valkenburg JLCH, Bunyaphatsara N, editors, Plant resources of South-East Asia No 12(2): Medicinal and poisonous plants 2, Leiden, The Netherlands, Backhuys Publisher, 2001, 331.
- [36] Uji T, "*Leea indica (Burm.f.) Merr.*". In: van Valkenburg JLCH, Bunyaphatsara N, editors, Plant resources of South-East Asia No 12(2): Medicinal and poisonous plants 2, Leiden, The Netherlands, Backhuys Publisher, 2001, 330-1.
- [37] Wu Z, Peter HR, *Flora of China Vol. 16*, Missouri Botanical Garden Press, 1995.
- [38] Forestry Administration, *Cambodian Tree Species: Monographs*, CTSP, FA, DANIDA, 2004.
- [39] Forest S, Kim S, Lloyd L, Species reports: *Thunbergia laurifolia*, United States Geological Survey-Biological Resources Division, Haleakala Field Station, Maui, Hawaii, 2003.
- [40] Hamid A, "*Derris scandens (Roxb.) Benth.*". In: de Padua LS, Bunyaphatsara N, Lemmens RHMJ, editors, Plant Resources of South-East Asia No 12(1): Medicinal and poisonous plants 1, Leiden, The Netherlands, ackhuys Publisher, 1999, 241.
- [41] Sanyal MN, *Handbook of Excursion Flora of the Gangetic Plains and Adjoining Hills*, 1st ed, India, Mittal Publications, 1991.

- [42] Wu Z, Peter HR, Hong D, *Flora of China Vol. 12*, Missouri Botanical Garden Press, 2007.
- [43] Flora of Suranaree University of Technology Campus, Website <http://science.sut.ac.th/gradbio/florat/pt96.html> 12 August 2014.
- [44] Jansen PCM, Jukema J, Oyen LPA, van Lingen TG, "*Anomianthus dulcis (Dunal) J. Sinclair*". In: Verheij EWM, Coronel RE, editors, Plant resources of South-East Asia No 2: Edible fruits and nuts, Wageningen, The Netherlands, Pudoc, 1991, 316-7.
- [45] Iwasa S, "*Schleichera oleosa (Lour.) Oken*". In: Faridah Hanum I, van der Maesen LJG, editors, Plant resources of South-East Asia No 11: Auxiliary plants, Leiden, The Netherlands, Backhuys Publisher, 1997, 227-9.
- [46] Kumar D, Kumar K, Gupta J, Bishnoi N, Kumar S, "A mini review on chemistry and biology of *Holoptelea integrifolia* Roxb. Planch (Ulmaceae)", *Asian Pac J Trop Biomed*, 2012, 2(2, Supplement), S1200-S5.
- [47] Hase T, Kawamoto Y, Ohtani K, Kasai R, Yamasaki K, Picheansoonthon C, "Cyclohexylethanoids and related glucosides from *Millingtonia hortensis*", *Phytochemistry*, 1995, 39(1), 235-41.
- [48] Hase T, Ohtani K, Kasai R, Yamasaki K, Picheansoonthon C, "Revised structure for hortensin, a flavonoid from *Millingtonia hortensis* ", *Phytochemistry*, 1995, 40(1), 287-90.
- [49] Subramanian SS, Nagarajan S, Sulochana N, "Flavonoids of *Millingtonia hortensis*", *Curr Sci*, 1971, 40, 194.
- [50] Sharma RC, Zaman A, Kidwai AR, "Chemical examination of *Millingtonia hortensis*", *Phytochemistry*, 1968, 7(10), 1891-2.
- [51] Hase T, Ohtani K, Kasai R, Yamasaki K, Picheansoonthon C, "Millingtonine, an unusual glucosidal alkaloid from *Millingtonia hortensis*", *Phytochemistry*, 1996, 41(1), 317-21.

- [52] Ramasubramaniam R, "Millingtonia hortensis Linn – An Overview ", Int J Pharm Sci Rev Res, 2010, 4(2), 123-5.
- [53] Wongwattanasathien O, Kangsadalampai K, Tongyong L, "Antimutagenicity of some flowers grown in Thailand", Food and Chemical Toxicology, 2010, 48(4), 1045-51.
- [54] Kaushik R, Saini P, "Larvicidal activity of leaf extract of *Millingtonia hortensis* (Family: Bignoniaceae) against *Anopheles stephensi*, *Culex quinquefasciatus* and *Aedes aegypti*", J Vector Borne Dis, 2008, 45(1), 66-9.
- [55] Jetty A, Iyengar DS, 2000,, "Antimicrobial Activity of *Millingtonia Hortensis* Leaf Extract", Pharm Bio, 2000, 38(2), 157-60.
- [56] Nagaraja MS, Padmaa MP, "Antibacterial Activity of *Millingtonia hortensis* Linn Stem Bark", Asian J Pharm Biol Res, 2011, 1(3), 384-6.(3), 384-6.
- [57] Kumar SM, Ravichandran N, "Antioxidant activity of *Millingtonia hortensis* Linn. Stem bark Aqueous Extract", J Phar Res, 2011, 4(8), 2760-3.
- [58] Niranjan Reddy VL, Ravikanth V, Jansi Lakshmi VVNS, Suryanarayan Murty U, Venkateswarlu Y, "Inhibitory activity of homoisoflavonoids from *Caesalpinia sappan* against *Beauveria bassiana*", Fitoterapia, 2003, 74(6), 600-2.
- [59] Yang BO, Ke C-Q, He Z-S, Yang Y-p, Ye Y, "Brazilide A, a novel lactone with an unprecedented skeleton from *Caesalpinia sappan*", Tetrahedron Lett, 2002, 43(9), 1731-3.
- [60] Fu LC, Huang XA, Lai ZY, Hu YJ, Liu HJ, Cai XL, "A new 3-benzylchroman derivative from Sappan Lignum (*Caesalpinia sappan*)", Molecules, 2008, 13(8), 1923-30.

- [61] Ye M, Xie W-d, Lei F, Meng Z, Zhao Y-n, Su H, *et al*, "Brazilein, an important immunosuppressive component from *Caesalpinia sappan* L.", *Int Immunopharmacol*, 2006, 6(3), 426-32.
- [62] Hu J, Yan X, Wang W, Wu H, Hua L, Du L, "Antioxidant Activity *In Vitro* of Three Constituents from *Caesalpinia sappan* L", *Tsinghua Sci Technol*, 2008, 13(4), 474-9.
- [63] Wu S, Unger F, Goldring M, Viernstein H, Toegel S, "Anti-inflammatory activity of an ethanolic *Caesalpinia sappan* extract in human chondrocytes *in vitro*", *Osteoarthritis and Cartilage*, 2010, 18(Supplement 2), S253-S4.
- [64] Kim KJ, Yu HH, Jeong SI, Cha JD, Kim SM, You YO, "Inhibitory effects of *Caesalpinia sappan* on growth and invasion of methicillin-resistant *Staphylococcus aureus*", *J Ethnopharmacol*, 2004, 91(1), 81-7.
- [65] Lim MY, Jeon JH, Jeong EY, Lee CH, Lee HS, "Antimicrobial activity of 5-hydroxy-1,4-naphthoquinone isolated from *Caesalpinia sappan* toward intestinal bacteria", *Food Chem*, 2007, 100(3), 1254-8.
- [66] Srinivasan R, selvam GG, Karthik S, Mathivanan K, Baskaran R, Karthikeyan M, *et al.*, "*In vitro* antimicrobial activity of *Caesalpinia sappan* L", *Asian Pac J Trop Biomed*, 2012, 2(1, Supplement), S136-S9.
- [67] Xu HX, Lee SF, "The antibacterial principle of *Caesalpinia sappan*", *Phytother Res*, 2004, 18(8), 647-51.
- [68] Badami S, Moorkoth S, Rai SR, Kannan E, Bhojraj S, "Antioxidant activity of *Caesalpinia sappan* heartwood", *Biol Pharm Bull*, 2003, 26(11), 1534-7.
- [69] Shu SH, Deng AJ, Li ZH, Qin HL, "Two novel biphenyl dimers from the heartwood of *Caesalpinia sappan*", *Fitoterapia*, 2011, 82(5), 762-6.
- [70] Namikoshi M, Nakata H, Saitoh T, "Homoisoflavonoids from *Caesalpinia sappan*", *Phytochemistry*, 1987, 26(6), 1831-3.

- [71] Xie Y-W, Ming D-S, Xu H-X, Dong H, But PP-H, "Vasorelaxing effects of *Caesalpinia sappan*: Involvement of endogenous nitric oxide", *Life Sci*, 2000, 67(15), 1913-8.
- [72] Nguyen MTT, Awale S, Tezuka Y, Tran QL, Kadota S, "Neosappanone A, a xanthine oxidase (XO) inhibitory dimeric methanodibenzoxocinone with a new carbon skeleton from *Caesalpinia sappan*", *Tetrahedron Lett*, 2004, 45(46), 8519-22.
- [73] Moon C-K, Mock M-S, Yang K-M, Han H-S, Won H-S, Kim J-Y, *et al.*, "Immunomodulating activities of brazilin *in vitro*", *Arch Pharm Res*, 1992, 15(4), 283-8.
- [74] Wu J, Hou JB, Zhang MM, Zou YP, Yu B, "Protosappanin A, an Immunosuppressive Constituent From a Chinese Herb, Prolongs Graft Survival and Attenuates Acute Rejection in Rat Heart Allografts", *Transplant Proc*, 2008, 40(10), 3719-22.
- [75] Srilakshmi VS, Vijayan P, Raj PV, Dhanaraj SA, Chandrashekhar HR, "Hepatoprotective properties of *Caesalpinia sappan* Linn. heartwood on carbon tetrachloride induced toxicity", *Indian J Exp Biol*, 2010, 48(9), 905-10.
- [76] Yodsaoue O, Cheenpracha S, Karalai C, Ponglimanont C, Chantrapromma S, Fun HK, *et al.*, "Phanginin A-K, diterpenoids from the seeds of *Caesalpinia sappan* Linn.", *Phytochemistry*, 2008, 69, 1242-9.
- [77] M G, KL B, Jr TA, JJ. B, "Reversal of scopolamine induced deficits in navigational memory performance by seed oil of *Celastrus paniculatus*", *Pharmacol Biochem Behav*, 1997, 57(4), 793-9.
- [78] Ramadan MF, Kinni SG, Rajanna LN, Seetharam YN, Seshagiri M, Mörsel JT, "Fatty acids, bioactive lipids and radical scavenging activity of *Celastrus paniculatus* Willd. seed oil", *Sci Hort*, 2009, 123(1), 104-9.

- [79] Sang H, Wang H, Tu Y, Chen Y, "Dihydroagarofuran sesquiterpenoids from *Celastrus paniculatus*", *Phytochemistry*, 1991, 30(5), 1547-9.
- [80] Zhang K, Wang Y, Chen Y, Tu Y, Jing H, Huimin H, *et al.*, "Sesquiterpenes from *Celastrus paniculatus* subsp. *paniculatus*", *Phytochemistry*, 1998, 48(6), 1067-9.
- [81] Kumar MHV, Gupta YK, "Antioxidant property of *Celastrus paniculatus* Willd.: a possible mechanism in enhancing cognition", *Phytomedicine*, 2002, 9(4), 302-11.
- [82] Alama B, Haque E, "Anti-Alzheimer and Antioxidant Activity of *Celastrus paniculatus* Seed", *IJPS Winter*, 2011, 7(11), 49-56.
- [83] Bidwai PP, Wangoo D, Bhullar N, "Antispermatic action of *Celastrus paniculatus* seed extract in the rat with reversible changes in the liver", *J Ethnopharmacol*, 1990, 28(3), 293-303.
- [84] Pavanandt K, Webster HK, Yongvanitchit K, Kun-anake A, Dechatiwongse T, Nutakul W, *et al.*, "Schizontocidal activity of *Celastrus paniculatus* Willd. against *Plasmodium falciparum* in vitro", *Phytother Res*, 1989, 3(4), 136-9.
- [85] Rajkumar R, Kumar EP, Sudha S, Suresh B, "Evaluation of anxiolytic potential of *Celastrus* oil in rat models of behaviour", *Fitoterapia*, 2007, 78(2), 120-4.
- [86] Bhanumathy M, Chandrasekar S, Chandur U, Somasundaram T, "Phyto-pharmacology of *Celastrus paniculatus*: An Overview", *Int J Pharm Pharm Sci*, 2010, 2(3), 176-81.
- [87] Borrelli F, Borbone N, Capasso R, Montesano D, De Marino S, Aviello G, *et al.*, "Potent relaxant effect of a *Celastrus paniculatus* extract in the rat and human ileum", *J Ethnopharmacol*, 2009, 122(3), 434-8.

- [88] Ahmad F, Khan RA, Rasheed S, "Preliminary screening of methanolic extracts of *Celastrus paniculatus* and *Tecomella undulata* for analgesic and anti-inflammatory activities", J Ethnopharmacol, 1994, 42(3), 193-8.
- [89] Praful M, K. S, "Neuroprotective effect of *C. paniculatus* seed oil against glutamate-induced toxicity", Planta Med, 2004, 21(2), 44-7.
- [90] Banskota AH, Tezuka Y, Tran KQ, Tanaka K, Saiki I, Kadota S, "Methyl quadrangularates A-D and related triterpenes from *Combretum quadrangulare*", Chem Pharm Bull, 2000, 48(4), 496-504.
- [91] Banskota AH, Tezuka Y, Tran KQ, Tanaka K, Saiki I, Kadota S, "Thirteen Novel Cycloartane-Type Triterpenes from *Combretum quadrangulare*", J Nat Prod, 1999, 63(1), 57-64.
- [92] Ganzera M, Ellmerer-Müller EP, Stuppner H, "Cycloartane triterpenes from *Combretum quadrangulare*", Phytochemistry, 1998, 49(3), 835-8.
- [93] Banskota AH, Tezuka Y, Le Kim P, Kim Qui T, Saiki I, Miwa Y, *et al*, "Cytotoxic cycloartane-type triterpenes from *Combretum quadrangulare*", Bioorg Med Chem Lett, 1998, 8(24), 3519-24.
- [94] Adnyana IK, Tezuka Y, Awale S, Banskota AH, Tran KQ, Kadota S, "Quadranosides VI-XI, six new triterpene glucosides from the seeds of *Combretum quadrangulare*.", Chem Pharm Bull (Tokyo), 2000, 48(8), 1114-20.
- [95] Adnyana IK, Tezuka Y, Banskota AH, Xiong Q, Tran KQ, Kadota S, "Quadranosides I-V, New Triterpene Glucosides from the Seeds of *Combretum quadrangulare*", J Nat Prod, 2000, 63(4), 496-500.
- [96] Adnyana IK, Tezuka Y, Banskota AH, Tran KQ, Kadota S, "Three new triterpenes from the seeds of *Combretum quadrangulare* and their hepatoprotective activity", J Nat Prod, 2001, 64(3), 360-3.

- [97] Natachit K, Santiarvorn D, Khantawa B, "Antibacterial activity of the seeds of *Combretum quadrangulare* Kurz (Combretaceae)", CMU Journal, 2006, 5(3), 333.
- [98] Valsaraj R, Pushpangadan P, Smitt UW, Adersen A, Christensen SB, Sittie A, *et al*, "New Anti-HIV-1, Antimalarial, and Antifungal Compounds from *Terminalia bellerica*", J Nat Prod, 1997, 60(7), 739-42.
- [99] Pfundstein B, El Desouky SK, Hull WE, Haubner R, Erben G, Owen RW, "Polyphenolic compounds in the fruits of Egyptian medicinal plants (*Terminalia bellerica*, *Terminalia chebula* and *Terminalia horrida*): Characterization, quantitation and determination of antioxidant capacities", Phytochemistry, 2010, 71(10), 1132-48.
- [100] Anwarul HG, Arif-ullah K, Tuba A, Saad A, "Mechanisms underlying the antispasmodic and bronchodilatory properties of *Terminalia bellerica* fruit", J Ethnopharmacol, 2008, 116, 528–38.
- [101] Badrul A, "Antioxidant, Antimicrobial and Toxicity studies of the Different Fractions of Fruits of *Terminalia bellerica* Roxb", Global J Pharmacol, 2011, 5(1), 7-17.
- [102] Latha RCR, Daisy P, "Insulin-secretagogue, antihyperlipidemic and other protective effects of gallic acid isolated from *Terminalia bellerica* Roxb. in streptozotocin-induced diabetic rats", Chem Biol Interact, 2011, 189(1-2), 112-8.
- [103] Yadava RN, Rathore K, "A new cardenolide from the seeds of *Terminalia bellerica*", Fitoterapia, 2001, 72(3), 310-2.
- [104] Chea A, Jonville MC, Bun SS, Laget M, Elias R, Duménil G, *et al.*, "*In vitro* antimicrobial activity of plants used in Cambodian traditional medicine", Am J Chin Med, 2007, 35(5), 867-73.

- [105] Kanchanapoom T, Sirikatitham A, Otsuka H, Ruchirawat S, "Cuneatoside, a new megastigmane diglycoside from *Erythroxylum cuneatum* Blume", *J Asian Nat Prod Res*, 2006, 8(8), 747-51.
- [106] Rosfarahhanim AS, *Protective Effect of Erythroxylum cuneatum and Mitragyna speciosa Leaf Extract on RAW264.7 and MCF-7*, Faculty of Pharmacy, Universiti Teknologi Mara, 2010.
- [107] Prayong P, Barusrux S, Weerapreeyakul N, "Cytotoxic activity screening of some indigenous Thai plants", *Fitoterapia*, 2008, 79(7-8), 598-601.
- [108] Kanchanapoom T, Kasai R, Chumsri P, Kraisintu K, Yamasaki K, "Lotthanongine, an unprecedented flavonoidal indole alkaloid from the roots of Thai medicinal plant, *Trigonostemon reidioides*", *Tetrahedron Lett*, 2002, 43(16), 2941-3.
- [109] Jayasuriya H, Zink DL, Borris RP, Nanakorn W, Beck HT, Balick MJ, *et al*, "Redioides B-E, potent insecticides from *Trigonostemon reidioides*", *J Nat Prod*, 2004, 67(2), 228-31.
- [110] Tempeam A, Thasana N, Pavaro C, Chuakul W, Siripong P, Ruchirawat S, "A new cytotoxic daphnane diterpenoid, redioid G, from *Trigonostemon reidioides*", *Chem Pharm Bull (Tokyo)*, 2005, 53(10), 1321-3.
- [111] Rukayadi Y, Shim JS, Hwang JK, "Screening of Thai medicinal plants for anticandidal activity", *Mycoses*, 2008, 51(4), 308-12.
- [112] Hu Y, Zhang L, Wen XQ, Zeng XJ, Rui W, Cen YZ, "Two new diterpenoids from *Croton crassifolius*", *J Asian Nat Prod Res*, 2012, 14(8), 785-8.
- [113] Zhan-Xin Z, Hui-Hong L, Feng-Ming Q, Hui-Yan X, Le-Le D, Gai-Xia F, *et al.*, "A New Halimane Diterpenoid from *Croton crassifolius*", *Bull Korean Chem Soc*, 2014, 35(5), 1556-8.

- [114] Siv YY, "Flavonoids from Cambodian Plants Belonging To Genera *Cananga*, *Colonga*, *Grewia*, *Leea*, and *Melastoma*", *Plant Med Phytother*, 1972, 6(4), 299-305.
- [115] Reanmongkol W, Subhadhirasakul S, Udompat G, Suwankong J, Chokwiwatanachai J, Thongprecha J, "Antinociceptive and antipyretic effects of *Leea rubra* root extract in experimental animals", *Songklanakarin J Sci Technol*, 1998, 20(2), 169-76.
- [116] Srinivasan GV, Ranjith C, Vijayan KK, "Identification of chemical compounds from the leaves of *Leea indica*", *Acta Pharm*, 2008, 58(2), 207-14.
- [117] Yau Hsiung W, Abdul Kadir H, "*Leea indica* ethyl acetate fraction induces growth-inhibitory effect in various cancer cell lines and apoptosis in Ca Ski human cervical epidermoid carcinoma cells", *Evid Based Complement Alternat Med*, 2011, 2011, 293060.
- [118] Srinivasan GV, Sharanappa P, Leela NK, Sadashiva CT, Vijayan KK, "Chemical composition and antimicrobial activity of the essential oil of *Leea indica* (Burm.f) Merr. flowers", *Nat Prod Rad*, 2009, 8(5), 488-93.
- [119] Emran TB, "Analgesic activity of *Leea indica* (Burm. f.) Merr.", *Phytopharmacology*, 2012, 3(1), 150-7.
- [120] Saha K, Lajis NH, Israf DA, Hamzah AS, Khozirah S, Khamis S, *et al*, "Evaluation of antioxidant and nitric oxide inhibitory activities of selected Malaysian medicinal plants", *J Ethnopharmacol*, 2004, 92(2-3), 263-7.
- [121] Temkitthawon P, Viyoch J, Limpeanchob N, Pongamornkul W, Sirikul C, Kumpila A, *et al*, "Screening for phosphodiesterase inhibitory activity of Thai medicinal plants", *J Ethnopharmacol*, 2008, 119(2), 214-7.

- [122] Moses ZZ, Manosroi A, Manosroi J, "Free radical scavenging activity and phytochemical constituents of aqueous extracts of traditional Lanna medicinal plants for diabetes", *Journal of Thai Traditional and Alternative Medicine*, 2009, 7(2), 112.
- [123] Laupattarakasem P, Houghton PJ, Hoult JR, "Anti-inflammatory isoflavonoids from the stems of *Derris scandens*", *Planta Med*, 2004, 70(6), 496-501.
- [124] Mahabusarakam W, Deachathai S, Phongpaichit S, Jansakul C, Taylor WC, "A benzil and isoflavone derivatives from *Derris scandens* Benth", *Phytochemistry*, 2004, 65(8), 1185-91.
- [125] Rukachaisirikul V, Sukpondma Y, Jansakul C, Taylor WC, "Isoflavone glycosides from *Derris scandens*", *Phytochemistry*, 2002, 60(8), 827-34.
- [126] Rao SA, Srinivas PV, Tiwari AK, Vanka UM, Rao RV, Dasari KR, *et al*, "Isolation, characterization and chemobiological quantification of alpha-glucosidase enzyme inhibitory and free radical scavenging constituents from *Derris scandens* Benth", *J Chromatogr B Analyt Technol Biomed Life Sci*, 2007, 855(2), 166-72.
- [127] Laupattarakasem P, Houghton PJ, Hoult JR, Itharat A, "An evaluation of the activity related to inflammation of four plants used in Thailand to treat arthritis", *J Ethnopharmacol*, 2003, 85(2-3), 207-15.
- [128] Sittiwet C, Puangpronpitag D, "Antimicrobial Properties of *Derris scandens* Aqueous Extract", *J Bio Sci*, 2009, 9(6), 607-11.
- [129] Sreelatha T, Hymavathi A, Rama Subba Rao V, Devanand P, Usha Rani P, Madhusudana Rao J, *et al*, "A new benzil derivative from *Derris scandens*: Structure-insecticidal activity study", *Bioorg Med Chem Lett*, 2010, 20(2), 549-53.

- [130] Lipipun V, Kurokawa M, Suttisri R, Taweechotipat P, Pramyothin P, Hattori M, *et al.*, "Efficacy of Thai medicinal plant extracts against herpes simplex virus type 1 infection *in vitro* and *in vivo*", *Antiviral Res*, 2003, 60(3), 175-80.
- [131] Clifford SC, Arndt SK, Popp M, Jones HG, "Mucilages and polysaccharides in *Ziziphus* species (Rhamnaceae): localization, composition and physiological roles during drought-stress", *J Exp Bot*, 2002, 53(366), 131-8.
- [132] Dahiru D, Obidoa O, "Evaluation of the antioxidant effects of *Ziziphus mauritiana* Lam. Leaf extracts against chronic ethanol-induced hepatotoxicity in rat liver", *Afr J Tradit Complement Altern Med*, 2007, 5(1), 39-45.
- [133] Lamien-Meda A, Lamien CE, Compaore MM, Meda RN, Kiendrebeogo M, Zeba B, *et al.*, "Polyphenol content and antioxidant activity of fourteen wild edible fruits from Burkina Faso", *Molecules*, 2008, 13(3), 581-94.
- [134] Mishra T, Khullar M, Bhatia A, "Anticancer potential of aqueous ethanol seed extract of *Ziziphus mauritiana* against cancer cell lines and ehrlich ascites carcinoma", *Evid Based Complement Alternat Med*, 2011, 2011, 765029.
- [135] Panseeta P, Lomchoey K, Prabpai S, Kongsaree P, Suksamrarn A, Ruchirawat S, *et al.*, "Antiplasmodial and antimycobacterial cyclopeptide alkaloids from the root of *Ziziphus mauritiana*", *Phytochemistry*, 2011, 72, 909-15.
- [136] Deshpande MS, Tondare PR, Paygude SV, Apte KG, Parab PB, "Evaluation of antioxidant, anti-inflammatory and adipocyte differentiation inhibitory potential of *Ziziphus mauritiana* bark extract", *Pharmacognosy J*, 2013, 5(5), 205-10.

- [137] Suksamrarn S, Suwannapoch N, Aunchai N, *et al*, "Ziziphine N, O, P and Q, new antiplasmodial cyclopeptide alkaloids from *Ziziphus oenoplia* var. *brunoniana*", *Tetrahedron*, 2005, 61(5), 1175-80.
- [138] Rao CV, Rawat AK, Singh AP, Singh A, Verma N, "Hepatoprotective potential of ethanolic extract of *Ziziphus oenoplia* (L.) Mill roots against antitubercular drugs induced hepatotoxicity in experimental models", *Asian Pac J Trop Med*, 2012, 5(4), 283-8.
- [139] Shoeb M, Mamun MIR, Nahar N, Mosihuzzaman M, "Biological Screening of *Zizyphus rugosa* and *Zizyphus oenoplia* extractives", *Dhaka Univ J Pharm Sci*, 2005, 4(2), 131-4.
- [140] Suksamrarn S, Panseeta P, Kunchanawatta S, Distaporn T, Ruktasing S, Suksamrarn A, "Ceanothane- and lupane-type triterpenes with antiplasmodial and antimycobacterial activities from *Ziziphus cambodiana*", *Chem Pharm Bull (Tokyo)*, 2006, 54(4), 535-7.
- [141] Arai MA, Tateno C, Hosoya T, Koyano T, Kowithayakorn T, Ishibashi M, "Hedgehog/GLI-mediated transcriptional inhibitors from *Zizyphus cambodiana*", *Bioorg Med Chem Lett*, 2008, 16(21), 9420-4.
- [142] Woo W, Choi J, Tovivich P, "A sapogenin of *Randia siamensis*", *Arch Pharm Res*, 1984, 7(1), 57-60.
- [143] Lapikanon P, Tovivich P, Woo W, Choi J, "Phytochemical study on *Randia siamensis*", *Arch Pharm Res*, 1983, 6(1), 29-33.
- [144] Reanmongkol W, Matsumoto K, Itharat A, Watanabe H, "Antinociceptive effects of *Randia siamensis* extract and its constituent, pseudoginsenoside-RP1 in experimental animals", *Biol Pharm Bull*, 1994, 17(9), 1206-9.
- [145] Sinz A, Matusch R, Elsacker F, Santisuk T, Chaichana S, Reutrakul V, "Phenolic compounds from *Anomianthus dulcis*", *Phytochemistry*, 1999, 50(6), 1069-72.

- [146] Palanuvej C, Vipunungeun N, "Fatty acid constituents of *Schleichera oleosa* (Lour.) Oken seed oil", J Health Res, 2008, 22(4), 203.
- [147] Pettit GR, Numata A, Cragg GM, Herald DL, Takada T, Iwamoto C, *et al*, "Isolation and structures of schleicherastatins 1-7 and schleicheols 1 and 2 from the teak forest medicinal tree *Schleichera oleosa*", J Nat Prod, 2000, 63(1), 72-8.
- [148] Srinivas K, Celestin Baboo RV, "Antiulcer activity of *Schleichera oleosa* (Lour.) Oken", Int J Res Pharm Biomed Sci, 2011, 2(2), 567-9.
- [149] Thind TS, Rampal G, Agrawal SK, Saxena AK, Arora S, "Diminution of free radical induced DNA damage by extracts/fractions from bark of *Schleichera oleosa* (Lour.) Oken", Drug Chem Toxicol, 2010, 33(4), 329-36.
- [150] Misra G, Bhatnagar SC, Nigam SK, "Constituents of *Holoptelea integrifolia* heartwood", Planta Med, 1977, 31(3), 232-4.
- [151] Re R, Pellegrini N, Proteggente A, Pannala A, Yang M, Rice-Evans C, "Antioxidant activity applying an improved ABTS radical cation decolorisation assay", Free Radic Biol Med, 1999, 26, 1231-7.
- [152] Brand-Williams W, Cuvelier ME, Berset C, "Use of free radical method to evaluate antioxidant activity", Lebenson Wiss Technol, 1995, 28, 25–30.
- [153] Evans WC, Evans D, *Trease and Evans' pharmacognosy*, 15th ed, Edinburgh, W.B., Saunders, 2002.
- [154] Babu TH, Tiwari AK, Rao VR, Ali AZ, Rao JM, Babu KS, "A new prenylated isoflavone from *Derris scandens* Benth", J Asian Nat Prod Res, 2010, 12(7), 634-8.
- [155] Llagas MCDL, Santiago L, Ramos JD, "Antibacterial activity of crude ethanolic extract and solvent fractions of *Ficus pseudopalma* Blanco leaves", Asian Pac J Trop Dis, 2014, 4(5), 367-71.

- [156] Srinivasan R, Selvam GG, Karthik S, Mathivanan K, Baskaran R, Karthikeyan M, *et al.*, "In vitro antimicrobial activity of *Caesalpinia sappan* L.", *Asian Pac J Trop Biomed*, 2012, 2, S136-S9.
- [157] Elizabeth KM, "Antimicrobial Activity of *Terminallia bellerica*", *Indian J Clin Biochem*, 2005, 20(2), 150-3.
- [158] Chowdhury JU, Bhuiyan NI, Nandi NC, "Aromatic plants of Bangladesh: essential oils of leaves and fruits of *Litsea glutinosa* (Lour.) C.B. Robinson", *Bangladesh J Bot*, 2008, 37, 81-3.
- [159] NKengfack AE, Sanson DR, Fomum ZT, Tempesta MS, "8-prenylluteone, a Prenylated Isoflavone from *Erythrina eriotriocha*", *Phytochemistry*, 1989, 28(9), 2522-6.
- [160] Monache GD, Scurria R, Vitali A, *et al.*, "Two isoflavones and a flavone from the fruits of *Maclura pomifera*", *Phytochemistry*, 1994, 37(3), 893-8.
- [161] MinHaj N, Khan H, Kapoor SK, Zaman A, "Extractives of *Milletia auriculata*—III", *Tetrahedron*, 1976, 32(6), 749-51.
- [162] Man-qin F, Dun D, Shi-xiu F, Ri-ming H, Shuai T, Sheng-xiang Q, "Chemical Constituents from Roots of *Flemingia philippinensis*", *Chin Herb Med*, 2012, 4(1), 8-11.
- [163] Wang Y, Curtis-Long MJ, Yuk HJ, Kim DW, Tan XF, Park KH, "Bacterial neuraminidase inhibitory effects of prenylated isoflavones from roots of *Flemingia philippinensis*", *Bioorg Med Chem*, 2013, 21(21), 6398-404.
- [164] Kupeli E, Orhan I, Toker G, Yesilada E, "Anti-inflammatory and antinociceptive potential of *Maclura pomifera* (Rafin.) Schneider fruit extracts and its major isoflavonoids, scandenone and auriculasin", *J Ethnopharmacol*, 2006, 107(2), 169-74.

- [165] Ito C, Itoigawa M, Tan HTW, Tokuda H, Yang Mou X, Mukainaka T, *et al.*, "Anti-tumor-promoting effects of isoflavonoids on Epstein–Barr virus activation and two-stage mouse skin carcinogenesis", *Cancer Lett*, 2000, 152(2), 187-92.
- [166] Gruber JV, Holtz R, Sikkink SK, Tobin DJ, "In vitro and ex vivo examination of topical Pomiferin treatments", *Fitoterapia*, 2014, 94(0), 164-71.
- [167] Orhan I, Şenol FS, Kartal M, Dvorská M, Žemlička M, Šmejkal K, *et al.*, "Cholinesterase inhibitory effects of the extracts and compounds of *Maclura pomifera* (Rafin.) Schneider", *Food Chem Toxicol*, 2009, 47(8), 1747-51.
- [168] Mahmoud ZF, "Antimicrobial components from *Maclura pomifera* fruit", *Planta Med*, 1981, 42(3), 299-301.
- [169] Diopan V, Babula P, Shestivska V, Adam V, Zemlicka M, Dvorska M, *et al.*, "Electrochemical and spectrometric study of antioxidant activity of pomiferin, isopomiferin, osajin and catalposide", *J Pharm Biomed Anal*, 2008, 48(1), 127-33.
- [170] Tsao R, Yang R, Young JC, "Antioxidant Isoflavones in Osage Orange, *Maclura pomifera* (Raf.) Schneid", *J Agric Food Chem*, 2003, 51(22), 6445-51.
- [171] Yang R, Hanwell H, Zhang J, Tsao R, Meckling KA, "Antiproliferative activity of pomiferin in normal (MCF-10A) and transformed (MCF-7) breast epithelial cells", *J Agric Food Chem*, 2011, 59(24), 13328-36.

LIST OF PUBLICATIONS

- 1) Kachumsang S, Sirisa-ard P, Sookkhee S, Eakanunkul S, Chansakaow S, “Antibacterial and Antioxidant Activities of Various Fraction of *Leea rubra* (Leeaceae)”, Journal of Natural Sciences Research, 2014, 4(11), 1-4.
- 2) Kachumsang S, Sirisa-ard P, Sookkhee S, Chansakaow S, “Antibacterial and Antioxidant Activities of Lanna Medicinal Plants used in Mahoog Formula”, International journal of pharmacy and pharmaceutical sciences, 2015, 7(9).



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved