

REFERENCES

- Agashe, S.N. and E. Caulton. 2009. Pollen and Spores: Applications with Special Emphasis on Aerobiology and Allergy. Science Publishers, New Hampshire. 400 p.
- Alves-Araújo, A., F.A. Santos and M. Alves. 2007. Pollen characterization of Amaryllidaceae *sensu stricto* species from northeastern Brazil. Acta Botanica Brasiliica 21(4): 967-976.
- Apisitwanich, S. and S. Masuthon. 2000. Study on plant chromosomes by enzymatic cell maceration technique. Journal of Science 54(3): 178-183. (in Thai).
- Arayakitcharoenchai, P. and C. Suwanthada. 2001. Chromosome investigation of local variety and hybrids of Amaryllis. Journal of Agriculture 17(1): 43-49. (in Thai).
- Arayakitcharoenchai, P. and C. Suwanthada. 2010. Pollen morphology of *Hippeastrum* 6 cultivars. Thai Journal of Botany 2(2): 101-110. (in Thai).
- Arayakitcharoenchai, P. and C. Suwanthada. 2011. Some characteristics of pollen and stomata of diploid and tetraploid *Hippeastrum*. Journal of Agricultural Research and Extension 28(2): 1-10. (in Thai).
- Backer, C.A. and R.C. Bakhuizen van den Brink. 1963. Flora of Java, volume I. N.V.P. Noordhaff, Groningen. 648 p.
- Bailey, L.H. 1969. Manual of Cultivated Plants. The Macmillan Company, New York. 429 p.
- Baimai, V. 1989. Biodiversity in Thailand. The Science Society of Thailand, Bangkok, 245 p. (in Thai).
- Baimai, V. 1993. Genetics. Department of Biology, Faculty of Sciences, Mahidol University, Bangkok. 640 p. (in Thai).
- Belay, G. and Y. Furuta. 2001. Zymogram patterns of α -amylase isozymes in Ethiopian tetraploid wheat landraces: insight into their evolutionary history and evidence for gene flow. Genetic Resources and Crop Evolution 48(5): 507-512.
- Berlyn, G.P. and J.P. Miksche. 1976. Botanical Microtechnique and Cytochemistry. Iowa State University Press, Iowa. 326 p.
- Bhattacharyya, B. and B.M. Johri. 1998. Flowering Plants: Taxonomy and Phylogeny. Narosa Publish House, London. 753 p.

- Boonlert, A. 1994. Morphology of the Pollen of Some Trees in Chiang Mai University. Thesis for Master Degree of Science (Biology), Faculty of Sciences, Chiang Mai University, Chiang Mai. 249 p. (in Thai).
- Bootrat, P. 1985. Botanical Technique. Department of Sciences and Mathematics, Faculty of Sciences and Technology, Prince of Songkla University, Pattani Campus, Songkla. 213 p. (in Thai).
- Buathong, P. and C. Suwanthada. 2008. Chromosome investigation of Amazon lily (*Eucharis grandiflora* Planch. & Lind.). *Journal of Agriculture* 24(1): 37-41. (in Thai).
- Bunwong, S. and P. Chantaranothai. 2008. Pollen morphology of the Tribe Vernonieae (Compositae) in Thailand. *The Natural History Journal of Chulalongkorn University* 8(1): 45-55.
- Busuioc, G. and C. Ifrim. 2004. Some histo-anatomical aspects concerning the leaf structure of *Basella alba* and *Basella rubra*. *Buletinul Grădinii Botanice Iași* 12: 95-99.
- Campiranon, A. 1997. Cytogenetics. Department of Genetics, Faculty of Sciences, Kasetsart University, Bangkok. 253 p. (in Thai).
- Campiranon, A. 2003. Cytogenetics. Department of Genetics, Faculty of Sciences, Kasetsart University, Bangkok. 308 p. (in Thai).
- Celik, S., I. Uysali and Y. Menemen. 2005. Morphology, anatomy, ecology and palynology of two *Centaurea* species from Turkey. *Bangladesh Journal of Botany* 37(1): 67-74.
- Chaiyasut, K. 1989. Cytogenetics and Cytotaxonomy of *Zephyranthes*. Department of Botany, Faculty of Sciences, Chulalongkorn University, Bangkok. 259 p.
- Chang, H. and C. Hsu. 1974. A cytotaxonomical study on some Formosan Liliaceae. *Taiwania* 19: 58-74.
- Chase, M.W. 2005. Relationships between the Families of Flowering Plants. p. 7-23. In Henry, R.J. (ed.). *Plant Diversity and Evolution: Genotypic and Phenotypic Variation in Higher Plants*. Cromwell Press, Trowbridge.
- Chawalid, T. and C. Suwanthada. 2003. Karyotypic studies of local Amaryllis. *Journal of Agriculture* 19(3): 206-215. (in Thai).

- Chayamarit, K. 2002. Manual of Plant Systematics. Prachachon Co., Ltd., Bangkok. 232 p. (in Thai).
- Cheancharoen, C. 1999. Indigenous Vegetables in Lop Buri Province. Thesis for Master Degree of Science (Biology), Faculty of Sciences, Chulalongkorn University, Bangkok. 276 p.
- Chen, J., S. Isshiki, Y. Tashiro and S. Miyazaki. 1997. Biochemical affinities between *Cucumis hystrix* Chakr. and two cultivated *Cucumis* species (*C. sativus* L. and *C. melo* L.) based on isozyme analysis. *Euphytica* 97: 139-141.
- Chen, S. and R. Ueda. 1977. Pollen morphology and germination in *Narcissus*. *Botanical Magazine Tokyo* 90: 277-290.
- Chen, X. and M.N. Tamura. 2000. *Peliosanthes* Andrew. *Flora of China* 24: 261-263.
- Chen, Z.Y. 1992. Cytology of Zingiberaceae. p. 19-25. *In* Laboratory Manual for the Training Course on Cytotaxonomy of Zingiberaceae and Some Selected Plants. Faculty of Sciences, The Prince of Songkla University, Songkla.
- Chengkun, H., L. Jiashen, G. Suzhi, Z. Min and C. Wensheng. 1995. The relationship between geographic distribution and the genetic difference of peroxidase isozyme of ginger germplasm in Fujian. *Acta Horticulturae* 402: 125-132.
- Chokthaweepanich, H. 2002. Classification of the Genus *Curcuma* (Zingiberaceae) Based on Morphological Characters and Isozyme Pattern. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Kasetsart University, Bangkok. 195 p. (in Thai).
- Chulalaksananukul, W., P. Chockchaichomnakit, L. Kongkung, P. Siripiyasing, P. Pariyanonth and M. Gateprasert. 2001. Karyotypic Study of Living Organisms. p. 360-378. *In* Baimai, V. and R. Kumhom (eds.). BRT Research Reports 2001, Biodiversity Research and Training Program. Jirawat Express Co., Ltd., Bangkok. (in Thai).
- Conran, J.G. and M.N. Tamura. 1998. Convallariaceae. p. 186-198. *In* Kubitzki, K. (ed.). *The Families and Genera of Vascular Plants, volume 3, Flower Plants: Monocotyledons (Lilianaes, except Orchidaceae)*. Springer-Verlag, Berlin.
- Cooper, R.L., J.M. Osborn and C.T. Philbrick. 2000. Comparative pollen morphology and ultrastructure of the Callitrichaceae. *American Journal of Botany* 87(2): 161-175.

- Crawford, D.J. 1990. *Plant Molecular Systematics: Macromolecular Approaches*. John Wiley & Sons, New York. 388 p.
- Cutler, D.F. 1992. Vegetative anatomy of Ophiopogoneae (Convallariaceae). *Botanical Journal of the Linnean Society* 110(4): 385-419.
- Cutler, D.F., C.E.J. Botha and D.W. Stevenson. 2008. *Plant Anatomy: An Applied Approach*. Blackwell Publishing, Malden. 302 p.
- Dai, L.-K. and S.-Y. Liang. 1991. Epidermis features of leaves and their taxonomic significance in subfamily Ophiopogonoideae (Liliaceae). *Acta Phytotaxonomica Sinica* 29(4): 335-346. (in Chinese with English abstract).
- Deewiset, K. 1999. *Indigenous Vegetables of the Northern Thailand*. The WVO Office of Printing Mill, Bangkok. 280 p. (in Thai).
- Dickie, J.B. and P.E. Gasson. 1999. Comparative leaf anatomy of the Penaeaceae and its ecological implications. *Botanical Journal of the Linnean Society* 131(4): 327-351.
- Dönmez, E.O. and S. Işık. 2008. Pollen morphology of Turkish Amaryllidaceae, Ixioliriaceae and Iridaceae. *Grana* 47: 15-38.
- Dyer, A.F. 1979. *Investigating Chromosomes*. Edward Arnold (Publishers) Ltd., London. 136 p.
- Erdtman, G. 1972. *Pollen Morphology and Plant Taxonomy, Angiosperms : An Introduction to Palynology, volume I*. Hafner Publishing Company, New York. 553 p.
- Eriksson, R. 2007. A synopsis of Basellaceae. *Kew Bulletin, ProQuest Biology Journals* 62(2): 297-320.
- Esau, K. 1965. *Plant Anatomy*. 2nd ed. John Wiley & Sons, New York. 767 p.
- Esau, K. 1977. *Anatomy of Seed Plants*. John Wiley & Sons, Inc., New York. 550 p.
- Evert, R.F. 2006. *Esau's Plant Anatomy: Meristems, Cells, and Tissues of the Plant Body : Their Structure, Function and Development*. John Wiley & Sons, Inc., New Jersey. 601 p.
- Fægri, K. and J. Iversen. 1989. *Textbook of Pollen Analysis*. John Wiley & Sons, Inc., London. 328 p.
- Fahn, A. 1977. *Plant Anatomy*. Pergamon Press, Oxford. 611 p.
- Feulgen, R. and H. Rossenbeck. 1924. Practical aspects of quantitative Feulgen staining in plants. *Zeitschrift für physikalische Chemie* 135: 203-248.

- Fupanya, A. 2008. Characterization and Growth and Development of Some *Liparis* and *Malaxis*. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 216 p. (in Thai).
- Geraci, A., A.-M. Chèvre, I. Divaret, F. Eber and F.M. Raimondo. 2004. Isozyme analysis of genetic diversity in wild Sicilian populations of *Brassica* sect. *Brassica* in view of genetic resources management. *Genetic Resources and Crop Evolution* 51: 137-146.
- Gömürgen, A.N. and H. Altinözlü. 2005. Chromosome number and karyotype analysis of *Kalidiopsis wagenitzii* Aellen. *Pakistan Journal of Botany* 37(2): 307-311.
- Gonzalez, C.C., M.A. Gandolfo and R.N. Cúneo. 2004. Leaf architecture and epidermal characters of the Argentinean species of Proteaceae. *International Journal of Plant Sciences* 165(4): 521-536.
- Grasso, G., M. van Duren, K.S. Lee and R. Morpurgo. 1997. DNA Analysis in Three Populations of African Spinach (*Basella* spp.). p. 39-42. *In* Improvement of Basic Food Crops in Africa Through Plant Breeding, Including the Use of Induced Mutations. International Atomic Energy Agency (IAEA), Vienna.
- Gunjan, K. and B.K. Roy. 2010. Karyotype studies in dominant species of *Aloe* from eastern India. *Caryologia* 63(1): 41-49.
- Hartmann, H.T., A.M. Kofranek, V.E. Rubatzky and W.J. Flocker. 1988. *Plant Science*. Regents/Prentice Hall, New Jersey. 674 p.
- Hodson, R.C. and J. Acuff. 2005. Water Transport in Plants: Anatomy and Physiology. Association for Biology Laboratory Education (ABLE) 2005 Proceedings 27: 163-183.
- Huang, T.C. 1972. Pollen Flora of Taiwan. National Taiwan University Botany Department Press. 297 p.
- Hunter, R.L. and C.L. Markert. 1957. Histochemical demonstration of enzymes separated by zone electrophoresis in starch gels. *Science* 125: 1294-1295.
- Jaturat, J. 2000. Morphology and Anatomy of Local Legumes in Chiang Mai, Nan and Mae Hong Son Province. Thesis for Master Degree of Science (Biology), Faculty of Sciences, Chiang Mai University, Chiang Mai. 158 p. (in Thai).
- Jessop, J.P. 1976. A revision of *Peliosanthes* (Liliaceae). *Blumea* 23: 141-159.

- Jessop, J.P. 1979. Liliaceae I. p. 189-235. *In* Steenis, C.G. and G.J. Van (eds.). Flora Malesiana serial 1 volume 9 part 1, Noorhoff, the Netherlands.
- Johansen, D.A. 1940. Plant Microtechnique. McGraw-Hill Book Company, Inc., New York. 520 p.
- Jones, K. and J.B. Smith. 1967. The chromosomes of the Liliaceae: I. The karyotype of twenty-five tropical species. *Kew Bullentin* 21: 31-38.
- Jones, S.B. and A.L. Luchsinger. 1979. Plant Systematics. 2nd ed. McGraw-Hill Book, New York. 338 p.
- Junsongduang, A., A. Thammathaworn and P. Chantaranonthai. 2003. Comparative Anatomy of Aristolochiaceae in Thailand. p. 94-106. *In* Baimai, V. and R. Tantalakha (eds.). BRT Report 2003. Biodiversity Research and Training Program. Chuan Printing Press Ltd. Part., Bangkok. (in Thai).
- Kaewmala, K. 2005. Specific Isozyme Pattern of Rice Seed cv. Kaodawkmali 105 and Chainat 1. Thesis for Master Degree of Science (Agriculture) Agronomy, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 45 p. (in Thai).
- Kantachot, C. 2008. Systematics of Polygonaceae in Thailand. Thesis for Doctor of Philosophy (Biology), Faculty of Sciences, Khon Kaen University, Khon Kaen. 354 p.
- Kaosa-ard, A. 1994. Monitoring and Measuring Forest Biodiversity in Thailand. p. 65-72. *In* IUFRO Symposium on Monitoring and Measuring Biodiversity in Tropical and Temperate Forests. 28th September 1994. Chiang Mai.
- Kaset Research. 2008. Plant Genetics and Conservation. [Online]. Available : <http://web.ku.ac.th/schoolnet/f-snet4.htm> (6th May 2008).
- Kauff, F., P.J. Rudall and J.G. Conran. 2000. Systematic root anatomy of Asparagales and other monocotyledons. *Plant Systematics and Evolution* 223: 139-154.
- Keating, R.C. 1996. Anther Investigations: A Review of Methods. p. 255-271. *In* D'Arcy, W.G. and R.C. Keating (eds.). The Anther: Form, Function and Phylogeny. Cambridge University Press, Cambridge.
- Kenneth, J.H. 1963. A Dictionay of Biological Terms. Olives and Boyd, Edinburgh. 640 p.
- Kenneth, J.H. 1972. Biological Terms. Lowe and Brydon Ltd., London. 640 p.

- Kermanee, P. 2008. Techniques in Plant Tissue. Kasetsart University, Bangkok. 289 p. (in Thai).
- Khamphio, M. and A. Thammathaworn. 2008. Comparative Anatomy of Some Cucurbitaceous Plants Found in the Northeast of Thailand. p. 201-211. *In* Proceedings of the 2nd Symposium of Botany in Thailand. 26th-28th March 2008. Department of Biology, Faculty of Sciences, Khon Kaen University, Khon Kaen. (in Thai).
- Klangsab, P. 2006. Phak Chiang Da: the Thai indigenous plant for diabetic. *Sciences and Technology* 21(4): 35-36. (in Thai).
- Klongklaw, B. 2008. Characterization of *Spathoglottis eburnea* Gagnep. and *S. pubescens* Lindl. Collected from Khun Mae Kwuang National Reserved Forest. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 122 p. (in Thai).
- Krachai, P., P. Chantaranonthai and N. Piwpuan. 2009. Pollen Characteristics of *Polygala*, *Salomonina* and *Xanthophyllum* (Polygalaceae) in Thailand. *The Natural History Journal of Chulalongkorn University* 9(1): 27-34.
- Krasaechai, A. 1996. Cytogenetics in Agriculture (359704). Department of Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 89 p. (in Thai).
- Kreunen, S.S. and J.M. Osborn. 1999. Pollen and anther development in *Nelumbo* (Nelumbonaceae). *American Journal of Botany* 86(12): 1662-1676.
- Kumnuan, P. 2001. Hybridization and Identification of Strawberry Hybrids by Morphological and Electrophoretic Methods. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 237 p. (in Thai).
- Kunwasee, C., K. Pheeraman and K. Kasetsinsombat. 2009. Pollen Morphological Trends in Euphorbiaceae. p. 2. *In* Proceeding of the 3rd Botanical Conference of Thailand, Faculty of Sciences. 25th-27th March 2009. Mahidol University, Bangkok. (in Thai).
- Lakoet, C. 2004. Comparative Anatomy of Zingiberaceae in Phu Phan National Park. Thesis for Master Degree of Science (Biology), Graduate School, Khon Kaen University, Khon Kaen. 186 p. (in Thai).

- Larsen, K. 1966. Studies in the flora of Thailand: cytology of vascular plants II. Dansk Botanisk Arkive 23: 375-399.
- Larsen, K. 1992. Basellaceae. Flora of Thailand 5(4): 410-412.
- Lawrence, E. 2008. Henderson's Dictionary of Biology. Pearson Education Limited, Sydney. 759 p.
- Lawrence, H.M. 1951. Taxonomy of Vascular Plants. The Macmillan Company, New York. 823 p.
- Legkerm, C. 1991. Nutritional Value and Harvesting Index of Some Locally-grown Vegetables in Chiang Mai. Thesis for Master Degree of Science (Biology), Faculty of Sciences, Chiang Mai University, Chiang Mai. 211 p. (in Thai).
- Levan, A., K. Fredga and A.A. Sandberg. 1964. Nomenclature for centromeric position on chromosomes. Hereditas 52: 201-220.
- Lewontin, R.C. and J.L. Hubby. 1966. A molecular approach to the study of genetic heterozygosity in natural populations. II. Amount of variation and degree of heterozygosity in natural populations of *Drosophila pseudoobscura*. Genetics 54: 595-609.
- Li, P., M.G. Gilbert and W.D. Stevens. 1995. Flora of China, volume 16 : Asclepiadaceae. Missouri Botanical Garden (St. Louis). Science Press, Beijing. 240 p.
- Little, R.L. and C.E. Jones. 1980. A Dictionary of Botany. Van Nostrand Reinhold, New York. 400 p.
- Meerow, A.W. and B. Dehgan. 1985. The auriculate pollen grain of *Hymenocallisquitoensis* Herb. (Amaryllidaceae) and its systematic implications. American Journal of Botany 72(4): 540-547.
- Moore, P.D., J.A. Webb and M.E. Collinson. 1991. Pollen Analysis. 2nd ed. Blackwell Scientific Publications, Oxford. 216 p.
- Padmini, S. and S.R. Shanmukharao. 1995. Structure, distribution and taxonomic importance of foliar stomata in some Indian Amaranthaceae. Botanical Journal of the Linnean Society 118(2): 149-161.
- Paisooksantivatana, Y. and O. Thepsen. 2001. Phenetic relationships of some Thai *Curcuma* species (Zingiberaceae) based on morphological, palynological and cytological evidence. Thai Journal of Agricultural Science 34(2): 47-57.

- Paisooksantivatana, Y., S. Kako and H. Seko. 2001. Isozyme polymorphism in *Curcuma alismatifolia* Gagnep. (Zingiberaceae) populations from Thailand. *Scientia Horticulturae* 88: 299-307.
- Pankong, K. 2003. Morphology and Isozyme Patterns of *Globba* spp. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 150 p. (in Thai).
- Pehlivan, S. and H. Özler. 2003. Pollen morphology of some species of *Muscari* Miller (Liliaceae-Hyacinthaceae) from Turkey. *Flora* 198: 200-210.
- Perveen, A. and M. Qaiser. 2008. Pollen flora of Pakistan-LVIII. Celastraceae. *Pakistan Journal of Botany* 40(3): 957-962.
- Peter, K.V. 1998. Ceylon Spinach. Genetics and Breeding of Vegetables. ICAR, Pusa, New Delhi. 333 p.
- Phattalamanon, U. 2000. Systematic Leaf Anatomy of 48 Species of Orchidaceae. Thesis for Master Degree of Science (Biology), Graduate School, Khon Kaen University, Khon Kaen. 112 p. (in Thai).
- Phootyanan, S. 2003. Thai Herbal Identification: Plant Taxonomy. Department of Pharmacognosy, Faculty of Pharmacy, Chiang Mai University, Chiang Mai. 518 p.
- Phupan, P. 2003. Comparison of Morphology, Anatomy and Ecology of *Litsea cubeba* Pers. from Different Locations in Nan and Chiang Mai Province. Thesis for Master Degree of Science (Biology), Faculty of Sciences, Chiang Mai University, Chiang Mai. 139 p. (in Thai).
- Pignone, D., I. Galasso, K. Hammer and P. Perrino. 1994. Cytogenetics and genetic relationships between populations of *Aegilops ventricosa* Tausch. *Euphytica* 79: 81-85.
- Pookajorn, P. 2000. The Extraction of Food Color from Ceylon Spinach (*Basella alba*). Department of Environmental Science, Faculty of Sciences, Khon Kaen University, Khon Kaen. 45 p. (in Thai).
- Poungmanee, J. 2007. Indigenous Vegetables, Local Food. Nanthaphun Printing Co., Ltd., Chiang Mai. 206 p. (in Thai).
- Prarasi, J. and C. Suwanthada. 2006. Chromosome investigation of *Eulophia graminea* Lindl. *Journal of Agriculture* 22(3): 189-193. (in Thai).

- Prasatsuwan, S. 2005. Isozyme Patterns of Some Plicated-leaf Terrestrial Orchids. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 180 p.
- Punt, W., S. Blackmore, S. Nilsson and L. Thomas. 1994. Glossary of Pollen and Spore Terminology. LPP Contributions Series No. 1. LPP Foundation, Utrecht, 71 p.
- Ramanatha, R.V. and W.K. Riley. 1994. The use of biotechnology for conservation and utilization of plant genetic resources. Plant Genetic Resources Newsletter 97: 3-19.
- Ramingwong, K., P. Sirikhum and P. Kanjana. 1998. Identification of Longan Varieties by Morphological, Biochemical and Cytogenetic Methods. Final Report Submitted to Chiang Mai University, Chiang Mai. 50 p.
- Raven, P.H., R.F. Evert and S.E. Eichhorn. 1992. Biology of Plants. Worth Publishers, New York. 791 p.
- Reitsma, T. 1970. Suggestions towards unification of descriptive terminology of angiosperm pollen grains. Review of Palaeobotany and Palynology 10: 39-60.
- Ren, X.F., S.B. Zhou, Y. Zheng and G. Xin-Hu. 1995. Studies on the pollen morphology of the genus *Lycoris* in China. Acta Metallurgica Sinica 17(2): 1-3.
- Rohlf, F.J. 2005. NTSYSpc: Numerical Taxonomy and Multivariate Analysis System. Version 2.21i. Exeter software, New York.
- Roy, S.K., G. Gangopadhyay and K.K. Mukherjee. 2010. Is stem twining form of *Basella alba* L. a naturally occurring variant ? Current Science 98(10): 1370-1375.
- Ruksat, L. 1991. Pollen Grains. Department of Botany, Faculty of Sciences, Kasetsart University, Bangkok. 157 p. (in Thai).
- Ruzin, S.E. 1999. Plant Microtechnique and Microscopy. Oxford University Press, New York. 322 p.
- Sahin, N.F. 2000. Pollen Morphology of *Galanthus elwesii* Hooker. (Amaryllidaceae). Pakistan Journal of Botany 32(1): 5-6.
- Saisuwan, S. 2008. Characterization of *Calanthe cardioglossa* Schltr. from Three Growth Habitats. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 114 p. (in Thai).

- Santanachote, K. 2002. Taxonomy of Vascular Plants. Department of Biology, Faculty of Sciences, Chiang Mai University, Chiang Mai. 345 p. (in Thai).
- Sapcharoen, P. 2005. Indigenous Vegetables of the Northern Thailand. Sam Chareon Panit (Krungthep) Co., Ltd., Bangkok. 280 p. (in Thai).
- Sass, J.E. 1966. Botanical Microtechnique. The Iowa State University Press, Iowa. 288 p.
- Sato, D. 1942. Karyotype alteration and phylogeny in the Liliaceae and allied families. Japanese Journal of Botany 12: 57-161.
- Schlegel, M., G. Steinbrück, K. Hahn and B. Röttger. 1989. Interspecific relationship of ten European orchid species as revealed by enzyme electrophoresis. Plant Systematics and Evolution 163: 107-119.
- Schmidt, A. 1980. Electrophoresis Techniques. Department of Physiology, Faculty of Veterinary Medicine, Kasetsart University, Bangkok. 106 p.
- Seijo, J.G. and A. Fernández. 2003. Karyotype analysis and chromosome evolution in South American species of *Lathyrus* (Leguminosae). American Journal of Botany 90(7): 980-987.
- Sharma, A.K. and A. Sharma. 1999. Plant Chromosome. Harwood Academic Publisher, Amsterdam. 371 p.
- Shields, C.R., T.J. Orton and C.W. Stuber. 1986. An Outline of General Resource Needs and Procedures for the Electrophoretic Separation of Active Enzymes from Plant Tissue. p. 443-468. In Tanksley, S.D. and T.J. Orton (eds.). Isozymes in Plant Genetics and Breeding: Part A. Elsevier Science Publisher B.V., Amsterdam.
- Shiotani, I. 1994. Chromosomes in Mitosis and Meiosis. CMUPB-Workshop. 23rd September 1994. Faculty of Agriculture, Chiang Mai University, Chiang Mai. 4 p.
- Shivanna, K.R. 2003. Pollen Biology and Biotechnology. Science Publishers, New Hampshire. 301 p.
- Silayoi, B. and P. Sompen. 1991. Chromosome numbers and karyotypes of some Thai bananas. Journal of Kasetsart Science 25(4): 400-407. (in Thai).
- Simpson, M.G. 2006. Plant Systematics. Elsevier Academic Press, New York. 590 p.
- Singh, R.J. 1993. Plant Cytogenetics. CRC Press, Inc., Florida. 391 p.

- Skunareewattana, P. 2003. Morphology and Isozyme Patterns of Thai Lady's Slipper (*Paphiopedilum*). Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 107 p. (in Thai).
- Smitinand, T. 2001. Thai Plant Names (Revised Edition 2001). The Forest Herbarium, Royal Forest Department, Bangkok. 810 p. (in Thai).
- Sneath, P.H.A. and R.R. Sokal. 1973. Numerical Taxonomy. Freeman, Sanfrancisco. 573 p.
- Sokal, R.R. and P.H.A. Sneath. 1963. Principles of Numerical Taxonomy. Freeman, Sanfrancisco. 350 p.
- Solar, A., J. Smole, F. Štampar and M. Viršček-Marn. 1994. Characterization of isozyme variation in walnut (*Juglans regia* L.). *Euphytica* 77: 105-112.
- Soltis, D.E., P.S. Soltis, P.K. Endress and M.W. Chase. 2005. Phylogeny and Evolution of Angiosperms. Sinauer Associates, Inc. Publishers, Massachusetts. 381 p.
- Soontaros, S. 2006. Electrophoresis. Chula Press, Sam Lada Co., Ltd., Bangkok. 193 p. (in Thai).
- Soontornchainaksaeng, P. 2005. Reports on Chromosome Numbers of Plants in Thailand. Biodiversity Research and Training Program (BRT). Chuan Printing Press Ltd., Part, Bangkok. 103 p.
- Soontornchainaksaeng, P., T. Jenjittikul, C. Senakun and W. Tongpubal. 2004. Cytogenetic Study of Euphorbiaceae in Thailand. p. 146-154. In Baimai, V. and R. Tantalakha (eds.). BRT Research Reports 2004. BRT Program. Chuan Printing Press Ltd. Part., Bangkok. (in Thai).
- Soththikul, C. and P. Apavatjirut. 2003. Pollen morphology of some *Globba* species. *Agricultural Science Journal* 34(1-3) (Suppl.): 94-97. (in Thai).
- Srinual, A., A. Thammathaworn and R. Pooma. 2008. Wood anatomy of the genus *Vatica* L. (Dipterocarpaceae) in Thailand. p. 189-200. In Proceedings of the 2nd Symposium of the Botany in Thailand. 26th-28th March 2008. Department of Biology, Faculty of Sciences, Khon Kaen University, Khon Kaen. (in Thai).
- Sriprasertsak, P., S. Promdang, S. Nateewatana and P. Chiemsombat. 1987. Peroxidase isozyme in mango, p. 91-101. In The 5th Annual Conference on Methodology Techniques in Biological Sciences. 11th-12th November 1987. Kasetsart University, Kamphaengsaen Campus, Nakhon Pathom. (in Thai).

- Stebbins, G.L. 1971. Chromosomal Evolution in Higher Plants. Edward Arnold (Publishers) Ltd., London. 216 p.
- Steinbrück, G., M. Schlegel, I. Dahlström, and B. Röttger. 1986. Characterization of interspecific hybrids between *Orchis mascula* and *O. pallens* (Orchidaceae) by enzyme electrophoresis. *Plant Systematics and Evolution* 153: 229–241.
- Stern, W.L. and W.S. Judd. 1999. Comparative vegetative anatomy and systematics of *Vanilla* (Orchidaceae). *Botanical Journal of the Linnean Society* 131(4): 353–382.
- Stuessy, T.F. 1990. *Plant Taxonomy: The Systematic Evaluation of Comparative Data*. Columbia University Press, New York. 514 p.
- Sunarin, S. 1999. Cytogenetic Characteristics and Inheritance of Color in Purple Glutinous Rice. Thesis for Master Degree of Science (Agriculture) Agronomy, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 66 p. (in Thai).
- Suwanthada, C., P. Sirikhum, P. Arayakitcharoenchai and P. Puttaworachai. 2004. Identification of *Basella* by isozyme pattern analysis. *Agricultural Science Journal* 35(5-6): 267-270. (in Thai).
- Suwanthada, C., P. Voraurai and P. Chuthamas. 1998. Chromosome number of some local vegetables. p. 886-887. *In The 24th Congress on Science and Technology of Thailand. 19th-21st October 1998. Bangkok. (in Thai).*
- Suwattanacupt, S., P. Wongsawad and T. Marayong. 2009. The development of natural dye for staining plant cells and tissues. *In The 34th Congress on Science and Technology of Thailand. 31st October-2nd September, 2009. Sirikit National Convention Centre, Bangkok. (in Thai).*
- Talingtaisong, N. 2008. Comparative Studies of Leaf Anatomy of *Lagerstroemia* L. (Lythraceae) in Thailand. Thesis for Master Degree of Education (Biology), Graduate School, Srinakharinwirot University, Bangkok. 112 p. (in Thai).
- Tanming, W. and P. Chantaranothai. 2009. Diversity of the genus *Ficus* L. in the Northern of Thailand. *KKU Science Journal* 37(1): 112-120.
- Thainuruk, H. 2008. Characterization and Growth Cycle of *Nervilia aragoana* Gaud. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 95 p. (in Thai).

- Thatsaneeyakorn, J. 2000. Diversity of Herbaceous Papilionaceae in Upper-North of Thailand. Thesis for Master Degree of Science (Biology), Faculty of Sciences, Chiang Mai University, Chiang Mai. 361 p. (in Thai).
- Thongpairoj, U. 1999. Indigenous Vegetables in Kanchanaburi Province. Thesis for Master Degree of Science (Botany), Faculty of Sciences, Chulalongkorn University, Bangkok. 272 p. (in Thai).
- Thongsan, A. 2008. Characterization and Hybridization of *Geodorum* spp. Collected from Khun Mae Kwang National Reserved Forest. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 174 p. (in Thai).
- Thunla, R. 2000. Classification of *Dendrobium scabrilingue* Lindl. using Isozyme Pattern Analysis and DNA Fingerprinting. Thesis for Master Degree of Science (Biotechnology), Graduate School, Chiang Mai University, Chiang Mai. 107 p. (in Thai).
- Trisonthi, P. and C. Trisonthi. 1999. A Survey of Indigenous in the Upper North of Thailand. Department of Biology, Faculty of Sciences, Chiang Mai University, Chaing Mai. 22 p. (in Thai).
- Uncharisanggard, P. 2008. Characterization, Growth and Development and Aseptic Propagation of *Nervilia aragoana* Gaud. var. HKRC01 and HKRC02. Thesis for Master Degree of (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 112 p. (in Thai).
- Upho, U. 2005. Ethnobotany of Buddhist and Muslim Thais in Some Locations in the Lower Part of Southern Thailand. Thesis for Doctor of Philosophy (Biology), Faculty of Sciences, Chiang Mai University, Chiang Mai. 542 p. (in Thai).
- Vitayasak, D. 1996. Morphological and Anatomical Characteristics and Cytology of *Hippeastrum* spp. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 105 p. (in Thai).
- Walker, J.W. and J.A. Doyle. 1975. The basis of angiosperm phylogeny. *Annals of the Missouri Botanical Garden* 62: 664-723.
- Wendel, L.F. and C.R. Parks. 1983. Cultivar identification in *Camellia japonica* L. using allozyme polymorphisms. *Journal of the American Society for Horticultural Science* 108(2): 290-295.

- Wichaipanich, S. and K. Ramingwong. 2004. Identification of longan var. *Daw* by morphological method. *Journal of Agriculture* 20(2): 142-151.
- Withers, L.A. 1990. Tissue Culture in the Conservation of Plant Genetic Resources. International Workshop on Tissue Culture of the Conservation of Biodiversity and Plant Genetic Resources. International Board of Plant Genetic Resources, Rome. 417 p.
- Withner, C.L. 1974. *The Orchids Scientific Studies*. A Wiley-Interscience Publication, New York. 604 p.
- Wongsawad, P., C. Wongsawad and S. Suwattanacoupt. 1996. Scanning Electron Microscopy: Application for Pollen Grains of Locally-grow Vegetables in Chiang Mai. Department of Biology, Faculty of Sciences, Chiang Mai University, Chiang Mai. 66 p. (in Thai).
- Yapwattanaphun, C. 1998. Identification of Lychee Varieties by Morphological, Electrophoretic and Cytogenetic Methods. Thesis for Master Degree of Science (Agriculture) Horticulture, Faculty of Agriculture, Chiang Mai University, Chiang Mai. 109 p. (in Thai).
- Yapwattanaphun, C. and K. Ramingwong. 1999. Identification of lychee varieties by morphological, electrophoretic and cytogenetic methods. *Journal of Agriculture* 15(2): 98-108. (in Thai).
- Yeung, E. 1998. A beginner's guide to the study of plant structure. p. 125-142. *In* Karcher, S.J. (ed.). *Tested Studies for Laboratory Teaching*. Volume 19. Proceedings of the 19th Workshop/Conference of the Association for Biology Laboratory Education (ABLE).