

รายการอ้างอิง

ภาษาไทย

- คณะกรรมการวิจัยแห่งชาติ, สำนักงาน. สมุนไพรรักษาโรค เอกสารการวิจัยปริทรรศน์. กรุงเทพมหานคร : กระทรวงวิทยาศาสตร์เทคโนโลยีและการพลังงาน, 2528.
- ณัฐศิริ แซ่ยิบ. การยับยั้งหน้าที่ที่เกี่ยวข้องกับพลังงานของไมโทคอนเดรียที่แยกจากตับหนูขาวโดยเอมิโอดาโรน. วิทยานิพนธ์ปริญญาโทมหาบัณฑิต ภาควิชาเภสัชวิทยา บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2535.
- เต็ม สมิตินันท์. ชื่อพรรณไม้แห่งประเทศไทย ชื่อพฤกษศาสตร์- ชื่อพื้นเมือง. กรุงเทพมหานคร : กรมป่าไม้, 2523.
- พเยาว์ เหมือนวงษ์ญาติ. ตำราวิทยาศาสตร์สมุนไพรรักษาโรค. กรุงเทพมหานคร : ศูนย์การพิมพ์พลชัย, 2529.
- เอมอร โสมนะพันธุ์. สารธรรมชาติกับโรคมะเร็งและโรคเอดส์ ใน วิชา จิรัจฉริยากุล (บรรณาธิการ). ยาและผลิตภัณฑ์จากธรรมชาติ. เล่ม 2. หน้า 202-240. กรุงเทพมหานคร: ภาควิชาเภสัชวินิจฉัย คณะเภสัชศาสตร์ มหาวิทยาลัยมหิดล, 2536.

ภาษาอังกฤษ

- Avers, C.J. Molecular cell biology. California : The Benjamin/Cummings publishing company, 1986.
- Bavovada, R. , Blasko, G., Shieh, H. L., Pezzuto J.M., and Cordell, G.A. Spectral assignment and cytotoxicity of 22-hydroxytingenone from *Glyptopetalum sclerocarpum*. Planta. Med. 56(1990) : 380-382.
- Bertina, R.M., and Slater, E.C. The effects of phosphate and electron transport on the carbonyl cyanide m-chlorophenylhydrazone-induced ATPase of rat liver mitochondria. Biochim. Biophys. Acta. 376(1975) : 492-504.
- Boyer, P.D., Chance, B., Ernster, L., Mitchell, P., Racker, E., and Slater, E.C. Oxidative phosphorylation and photophosphorylation. Ann. Rev. Biochem. 46(1977) : 968-1000.
- Brody ,T.M. The uncoupling of oxidative phosphorylation as a mechanism of drug action. Pharmacol. Rev. 7(1955) : 335-363.

- Burkill, I.H. A dictionary of the economic products of the Malay Peninsula. vol. I. Oxford : The University Press, 1966.
- Cassady, J.M., Baird, W.M. and Chang, C.J. Natural products as a source of potential cancer chemotherapeutic and chemopreventive agents. J. Nat. Prod. 53(1990) : 23-41.
- Chance, E., and Williams, G.R. The respiratory chain and oxidative phosphorylation. Adv. Enzymol. 17(1956) : 65-134.
- Chappell, J.B. and Crofts, A.R. The effect of atractyloside and oligomycin on the behavior of mitochondria towards adenine nucleotides. Biochem. J. 95(1965) : 707-715.
- Cleland, W.W. Dithiothreitol, a new protective reagent for SH group. Biochemistry. 3(1964) : 480-482.
- Craib, W.G. Florae Siamensis Enumeratio : a list of the plants known from Siam with records of their occurrence. vol. 1. Aberdeen : The University Press, 1931.
- Danishefsky, I. Biochemistry for medical sciences. 1st ed. Boston : Little Brown and Company, 1980.
- Darnell, J., Lodish, H., and Baltimore, D. Molecular cell biology. New York : Scientific American Books, 1986.
- De Robertis, E.D.P., De Robertis, E.M.F. Cell and Molecular biology. 18th ed. Philadelphia : Lea & Febiger, 1987.
- Estabrook, R.W. Mitochondrial respiratory control and the polarographic measurement of ADP : O ratios. In S.P. Colowick, and N.O. Kaplan (eds.), Methods in enzymology. Vol. X. pp 41-47. New York : Academic Press, 1967.
- Fiske, O.H., and Subbarow, Y. The colorimetric determination of phosphorus. J. Biol. Chem. 66(1925) : 375-400.
- Futai, M., Noumi, T., and Maeda, M. ATP synthase (H⁺-ATPase): results by combined biochemical and molecular biological approaches. Ann. Rev. Biochem. 58(1989) : 111-136.
- Garlid, K.D., and Nakashima, R.A. Studies on the mechanism of uncoupling by amine local anesthetics. J. Biol. Chem. 258(1983) : 7974-7980.
- Gilman, A.G. Goodman, L.S., Rall, T.W. and Murad, F. Goodman and Gilman's the pharmacological basis of therapeutics. 7th ed. New York : Macmillan, 1985.

- Godinot, C., Gautheron, D.C., Galente, Y., and Hatefi, Y. Labeling of thiols involved in the activity of complex V of the mitochondrial oxidative phosphorylation system. *J. Biol. Chem.* 256(1981) : 6776-6782.
- Green, D.E. and Zande H.V. Mechanism of uncoupling by uncouplers of oxidative phosphorylation. *Biochem. Biophys. Res. Commun.* 100(1981) : 1017-1024.
- Hamburger, M. and Hostettmann, K. Bioactivity in plants : the link between phytochemistry and medicine. *Phytochemistry.* 30(1991) : 3864-3874.
- Han, P.I. and Whiting, D.A. X-ray analysis of pristimerol bis -p-bromobenzoate, a derivative of the triterpene quinone methide pristimerin. *J.C.S. Perkin I.* (1972) : 330-333.
- Hanstein, W.G. Uncoupling of oxidative phosphorylation. *Biochim. Biophys. Acta.* 456 (1976) : 129-148.
- Hatefi, Y. The mitochondrial electron transport and oxidative phosphorylation system. *Ann. Rev. Biochem.* 54(1985) : 1015-1069.
- Haugaard, N., Lee, N.H., Kostrzewa, R., Horn, R.S. and Haugaard, E.S. The role of sulfhydryl groups in oxidative phosphorylation and ion transport by rat liver mitochondria. *Biochim. Biophys. Acta.* 172(1969) : 198-204.
- _____, Lee, N.H., Kostrzewa, R., and Haugaard, E.S. Effect of a disulfide (Ellman's reagent and thiols on oxidative phosphorylation and ion transport by rat liver mitochondria. *Biochem. Pharmacol.* 18(1969) : 2385-2391.
- Heytler, P.G. Uncouplers of oxidative phosphorylation. In M. Erecinska, and D.F. Wilson (eds.), *Inhibitors of mitochondrial functions*, pp 199-210. Oxford : Pergamon Press, 1981.
- Hogeboom, G.H. Fractionation of cell components of animal tissues. In S.P. Colowick, and N.O. Kaplan (eds.), *Methods in enzymology*. Vol. I. pp 16-19. New York : Academic Press, 1955.
- Hooker, J.D. *The flora of British India*. England : Reeve & Co.limited, 1875.
- Katre, N.V., and Wilson, D.F. Interaction of uncouplers with the mitochondrial membrane : identification of the high affinity binding site. *Arch. Biochem. Biophys.* 191(1978) : 647-656.
- Keng, H. *Order and families of Malayan seed plants*. Malaysia : Malaya University Press, 1969.

- Kessler, R.J., Tyson, C.A., and Green, D.E. Mechanism of uncoupling in mitochondria : uncouplers as ionophores for cycling cations and proton. Proc. Natl. Acad. Sci. USA. 73(1976) : 3141-3145.
- _____, Zande, H.V., Tyson, C.A., Blondin, G.A., Fairfield, J., Glasser, P., and Green, P.F. Uncouplers and the molecular mechanism of uncoupling in mitochondria. Proc. Natl. Acad. Sci. USA. 74(1977) : 2241-2245.
- Kubo, I. and Fukuhara, K. Elabunin. A new cytotoxic triterpene from an east African medicinal plant : *Elaeodendron buchananii*. J. Nat. Prod. 53(1990) : 968-971.
- Kuo, Y.H. et al., Antitumour agents. 112. Emarginatine B. A novel potent cytotoxic sesquiterpene pyridine alkaloid from *Maytenus emarginata*. J. Nat. Prod. 53 (1990) : 422-428.
- Kurz, S. Forest flora of British Burma. vol. I. Calcutta : The office of the superintendent of government printing, 1877.
- Kutney, J.P. et al., Studies with tissue cultures of the chinese herbal plant, *Tripterygium wilfordii*. Isolation of metabolites of interest in rheumatoid arthritis, immunosuppression, and male contraceptive activity. Can. J. Chem. 70(1992) : 1455-1469.
- Likhitwittayawuid, K., Bavovada, R., Lin, L-Z and Cordell, G.A. Revised structure of 20-hydroxytingenone and ¹³CNMR assignments of 22 β -hydroxytingenone. Phytochemistry. 34(1993) : 759-763.
- Lehninger, A.L. Phosphorylation coupled to oxidation of dihydrodiphosphopyridine nucleotide. J. Biol. Chem. 190(1951) : 345-359.
- _____. Water uptake and extrusion by mitochondria in relation to oxidative phosphorylation. Physiol. Rev. 42(1962), 467-517.
- _____. Biochemistry. 2nd ed. New York : Worth, 1975.
- Le-quoc, K., and Le-quoc, D. Control of the mitochondrial inner membrane permeability by sulfhydryl groups. Arch. Biochem. Biophys. 216(1982) : 639-651.
- Lowry, O.H., Rosebrough, N.J., Farr, A.L., and Randell, R.J. Protein measurement with Folin phenol reagent. J. Biol. Chem. 193(1951) : 265-275.
- Merrill, E.D. An enumeration of Phillippine flowering plants. vol. II. Manila : Royal forest department, 1923.
- Miller, G.L. Protein determination for large numbers of samples. Anal. Chem. 31 (1959) : 964.

- Mitchell, P. A commentary on alternative hypotheses of protonic coupling. FEBS Lett. 78 (1977) : 1.
- Monache, F.D., et al. New triterpene quinone-methides from Hippocrateacea. J.C.S. Perkin I (1979) : 3127-3131.
- Myers, D.K., and Slater, E.C. The enzymes hydrolysis of adenosine triphosphate by liver mitochondria. I. activities at different pH value. Biochem. J. 67(1957) : 558-572.
- Olson, M.S. Bioenergetics and oxidative metabolism. In, T.M. Devlin (ed.), Textbook of biochemistry with clinical correlations, pp. 255-324. New York : A Wiley medical publication, 1982.
- Parson, W.W. Electron transport and oxidative phosphorylation. In G. Zubay (ed.), Biochemistry, pp. 379-413. United States of America : W.C. Brown communications, 1993.
- Pezzuto, J.M., et al. Evaluation of the cytotoxic potential of natural products employing a batter of human cancer cell lines. Planta. Med. 56(1990) : 673.
- Ridley, H.N. The flora of the Malay Peninsula. Great Britain : Reeve & Co.limited, 1967.
- Robillard, G.T., and Konings, W.N. A hypothesis for the role of dithiol-disulfide interchange in solute transport and energy-transducing processes. Eur. J. Biochem. 127(1982) : 597-604.
- Rottenberg, H. Uncoupling of oxidative phosphorylation in rat liver mitochondria by general anesthetics. Proc. Natl. Acad. Sci. USA. 80(1983) : 3313-3317.
- Sartorell, A.C., Erecinska, M., and Wilson, D.F. pharmacology and therapeutics : inhibitors of mitochondrial functions. Oxford : Pergamon Press, 1981.
- Senior, A.E. The structure of mitochondrial ATPase. Biochim. Biphys. Acta. 301(1973) : 249-277.
- Senior, A.E. ATP synthesis by oxidative phosphorylation. Physiol. Rev. 68(1988) : 177-231.
- Sheeler, P., and Bianchi, D.E. Cell and molecular biology. 3rd ed. New York : John Wiley & Sons, 1987.
- Sordahl, L.A., Johnson, C., Blailock, Z.R., and Schwartz, A. The mitochondrion. In A. Schwartz (ed.), Methods in Pharmacology. New york : Merdith Corporation, 1971.

- Souton, I.W. and Buckingham, J. Dictionary of alkaloids. New York : Chapman&Hill, 1989.
- Stockdale, M., and Selwyn, M.J. Effect of ring substituents on the activity of phenols as inhibitors and uncouplers of mitochondrial respiration. Eur. J. Biochem. 21 (1971) : 565-574.
- Suffness, M. and Douros, J. Current status of the NCI plant and animal product program. J. Nat. Prod. 45(1982) : 1-14.
- Suvatti, C. Flora of Thailand. Thailand : Royal institute Thailand, 1978.
- Tan, G.T., Pezzuto, J.M., Kinghorn, A.D. and Hughes, S.H. Evaluation of natural products as inhibitors of human immunodeficiency virus type I (HIV-I) reverse transcriptase. J. Nat. Prod. 54(1991) : 143-154.
- , Miller, J.F., Kinghorn, A.D., Huges, S.H. and Pezzuto, J.M. HIV-1 and HIV-2 reverse transcriptase : a comparative study of sensitivity to inhibition by selected natural products. Biochem. Biophys. Res. Commun. 185(1992) : 370-378.
- Terada, H. The interaction of highly active uncouplers with mitochondria. Biochim. Biophys. Acta. 639(1981) : 225-242.
- Wagner, H., Flitsch, K., and Jurcic, K. Constituents in Celastraceae part II. Cytotoxicity of siphonoside and of aliphatic ester of siphonodin. Planta. Med. 43(1981) : 249-251.
- Weinbach, E.C. Pentachlorophenol and mitochondrial adenosine triphosphatase. J. Biol. Chem. 221(1956) : 609-618.
- Whitmore, T.C. Tree flora of Malaya : a manual for forests. vol. I. Malaysia : forest department ministry of agriculture and lands, 1972.
- Willis, J.C. A dictionary of the flowering plants and ferns. 6th ed. Great Britain : Cambridge University Press, 1960.



ประวัติผู้เขียน

นางสาวนุศติยา วีระวัฒน์ชัย เกิดเมื่อวันที่ 27 มิถุนายน 2514 ที่อำเภอเมือง จังหวัดอุบลราชธานี สำเร็จการศึกษาปริญญาตรีพยาบาลศาสตรบัณฑิตจาก โรงเรียนพยาบาล รามาธิบดี คณะแพทยศาสตร์ โรงพยาบาลรามาธิบดี มหาวิทยาลัยมหิดล เมื่อปีการศึกษา 2534 ปฏิบัติงานที่โรงพยาบาลรามาธิบดีเป็นเวลาประมาณ 1 ปีเศษ จึงลาออกจากราชการมาศึกษาต่อ ในระดับปริญญาโทหลักสูตรวิทยาศาสตรมหาบัณฑิตสหสาขาวิชาเภสัชวิทยา บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย เมื่อปีการศึกษา 2536