

ประวัติผลงาน

ชื่อ

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วุฒิการศึกษา

Doctor of Philosophy
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The University of New South Wales, Sydney,
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M.Sc. (Biochemistry)

Mahidol University, Bangkok, Thailand

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รางวัล

Academic Awards:

1. Gold medal award "Outstanding student of the year 1986" GPA= 4.00 for M.Sc. course, Department of Biochemistry, Faculty of Science, Mahidol University, organized by Prof. Thab's Nilanithi Foundation, Bangkok, Thailand.
2. MAppli Sci and Ph.D awardee under sponsorship of the Australian International Development Assistant Bureau (AIDAB), July 1990-December 1995 at Department of Biotechnology, the University of New South Wales, Sydney, Australia.
3. Outstanding pre-clinical instructor, Faculty of Medicine, Srinakharinwirot University, 2015.

Research Awards

1. "Women in Science 2005" organized by Loreal (Thailand) and UNESCO.
2. Award under "Fulbright Visiting Scholar Program 2006-2007", the Thailand-United States Education Foundation (Fulbright), at Harvard Institutes of Medicine, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, U.S.A.
3. "Outstanding Researcher 2011" Faculty of Medicine, Srinakarinwirot University.
4. "Outstanding Publication 2011" Faculty of Medicine, Srinakarinwirot University.

Books

1. Uthaisang W, **Watanapokasin Y.** Obstructive sleep apnea syndrome. In: Snoring and obstructive sleep apnea syndrome. Nirandrath, P. (Ed). Faculty of Medicine Srinakharinwirot University. 2000: 59-67.
2. Wilairat P, **Watanapokasin Y.** Red blood cell membrane; thalassemia: from molecular biology to clinical medicine. Institute of Science and Technology for Research and Development, Mahidol University, Salaya, Thailand. 1998: 3-1 to 3-6.
3. Wilairat P, **Watanapokasin Y.** Molecular biology of globin genes. In: Thalassemia; analysis of globin genes by polymerase chain reaction. S. Fucharoen & P. Fucharoen (Ed). Thalassemia research center. 1998: 1-14.

Publications

1. Krajarng A, Imoto M, Tashiro E, Fujimaki T, Shinjo S, **Watanapokasin R.** Apoptosis induction associated with the ER stress response through up-regulation of JNK in HeLa cells by gambogic acid. *BMC complementary and Alternative Medicine* 2015; 15:26-34.
2. Komatsu M, Nakamura Y, Maruyama M, Abe K, **Watanapokasin R** and Kato H. Expression profiles of human CCN genes in patients with osteoarthritis or rheumatoid arthritis. *J Orthopaedic Science* 2015; May DOI 10.1007/s00776-015-0727-3.
3. Amano MI, Nakamura Y, Morisaki M, He X, Hayashi M, **Watanapokasin R** and Kato H. Temporal and spatial expression patterns of bone morphogenetic protein 3 in developing zebra fish. *The Open Rheumatology Journal*. 2014; 8, 69-72.
4. Manitchotpisit P, **Watanapokasin R,** Price NP, Bischoff KM, Tayeh M, Teeraworawit S, Kriwong S, Leathers TD. *Aureobasidium pullulans* as a source of liamocins (heavy oils) with anticancer activity. *World Journal Microbiology and Biotechnology*. 2014; Aug 13. [Epub ahead of print]
5. Rattanaburi S, Daus M, **Watanapokasin R** and Mahabusarakam W. Bisanthraquinone

- and Cytotoxic Xanthenes from *Cratoxylum cochinchinense*. *Natural Product Research* 2014; Jul;28(13):945-51. DOI: 10.1080/14786419.2014.886212 (published online)
6. Phetkul U, Phongpaichit S, **Watanapokasin R**, Mahabusarakam W. New depside from *Citrus reticulata* Blanco. *Natural Product Research* 2014; 28(9):606-10
 7. Tancharoen W, Teeraaungkul S, Krajang A, Nilwarangoon S and **Watanapokasin R**. Apoptosis Induction by *Rafflesia kerrii* Meijer Flower Extract via Caspase-Dependent and Down-Regulation of ERK Signaling Pathway in Epidermoid Carcinoma Cells. *Journal of Modern Medicine Chemistry*. 2013; 1, 37-42.
 8. Sukseree S, Eckhart L, Tschachler E, **Watanapokasin R**. Autophagy in epithelial homeostasis and defense. *Frontiers in Bioscience*. 2013 Jun 1;5:1000-10.
 9. Fukunaga T, Nakamura M, Kitagawa T, **Watanapokasin R**, Hoshida H, Akada A. Novel small molecule compounds that affect cellular morphogenesis in yeast and mammalian cells. *Bioscience, Biotechnology and Biochemistry* 2013 ; 77(8):130212-1-8.
 10. Sukseree S, Rossiter H, Mildner M, Pammer J, Buchberger M, Gruber F, **Watanapokasin R**, Tschachler E, Eckhart L. Targeted deletion of Atg5 reveals differential roles of autophagy in keratin K5-expressing epithelia. *Biochemical and Biophysical Research Communication* 2013 Jan 11;430(2):689-94. doi: 10.1016/j.bbrc.2012.11.090.
 11. Nakamura Y, Tada H, **Watanapokasin R**, Kato H. Pathophysiological examination of progressive pseudorheumatoid dysplasia and osteoarthritis. *Clinical Orthopaedics* 2013, 64:50-51.
 12. Thuncharoen W, Chulasiri M, Nilwarangkoon S, Nakamura Y and **Watanapokasin R**. Apoptotic induction of skin cancer cell death by plant extracts. *Journal of the Medical Association of Thailand*. 2013, 96 Suppl 1:S60-4.
 13. Poonkhum R, **Watanapokasin R** and Pradidarcheep W. Protective Effect of α -Mangostin Against Type-I Collagen Formation in Thioacetamide-Induced Cirrhotic Rat. *Journal of the Medical Association of Thailand*.. 2013, 95 (suppl.):S93-S98
 14. Nakamura Y, Akiyama H, Tada H, **Watanapokasin R**, Wakitani S, and Kato H. microRNA140 and its host gene Wwp2 play a key role for palatogenesis. *Seikeigeka*(Japanese).2012, 63(12):1286-1287.
 15. Yamamoto K, Makino M, **Watanapokasin R**, Tashiro E, Imoto M. Inostamycin enhanced TRAIL-induced apoptosis through DR5 up-regulation on the cell surface. *Journal of Antibiotics* (Tokyo). 2012 Jun;65(6):295-300. doi: 10.1038/ja.2012.21. [Epub ahead of print].
 16. Sukseree S, Mildner M, Rossiter H, Pammer J, Zhang C-F, König U, Komatsu M, **Watanapokasin R**, Tschachler E, Eckhart L. Autophagy in the thymic epithelium is dispensable for the development of self-tolerance. *PloS One* 2012; 7(6):e38933. Epub 2012 Jun 18.
 17. Krajang A, Nilwarangoon S, Suksamrarn S, **Watanapokasin R**. Antiproliferative effect of α -mangostin on canine osteosarcoma cells. *Research in Veterinary Science*. 2012 Feb 16. [Epub ahead of print] PMID: 22342127 [PubMed - as supplied by publisher] PMID: 22472572.
 18. Nakamura Y, He X, Kato H, Wakitani S, Kobayashi T, Watanabe S, Iida A, Tahara

- H, Warman LM, **Watanapokasin R**, and Postlethwait, H.J. Sox9 is upstream of microRNA-140 in cartilage. *Applied Biochemistry and Biotechnology*. 2012, Jan;166(1):64-71.
19. **Watanapokasin R**, Jarinthanan F, Nakamura Y, Sawasjirakij N, Jaratrungtawee A, Suksamrarn S. Effects of α -mangostin on apoptosis induction of human colon cancer. *World J Gastroenterology*. 2011; 16: 2086-95.
 20. Kirttipornsakda P, Tanechpongamb W, Nilwarangkoon S., Suksamran S, **Watanapokasin R**. Cytotoxicity and apoptotic induction mechanism by mangosteen extract in prostate cancer cells. *Srinakharinwirot Science Journal*. 2011; 27 (2),165-178.
 21. Krajang A, Nakamura Y, Suksamrarn S, **Watanapokasin R**. α -Mangostin induces Apoptosis in Human Chondrosarcoma Cells through Down Regulation of ERK/JNK and Akt Signaling Pathway. *Journal of Agricultural and Food Chemistry*. 2011; 59: 5746-54.
 22. Radchatawedchakoon W, Krajarng A, Niyomtham N, **Watanapokasin R**, Yingyongnarongkul BE. High Transfection Efficiency of Cationic Lipids with Asymmetric Acyl-Cholesteryl Hydrophobic Tails. *Chemistry European Journal*. 2011; 17: 3287-95.
 23. Kanso S, Dasrib K, Tingthonga S, **Watanapokasin R**. Diversity of cultivable hydrogen-producing bacteria isolated from agricultural soils, waste water sludge and cow dung. *International Journal of Hydrogen Energy* doi:10.1016/j.ijhydene.2010.07.010
 24. Mahabusarakam W, Phetkul U, Chakthong S, Phongpaichit S, **Watanapokasin R**. New alkaloids from the stems of *Goniothalamus macrophyllus*. *Phytochemistry*. 2015 (under review).
 25. **Watanapokasin R**, Jarinthanun F, Jerusalmi A, Suksamran S, Nakamura Y, Sukseree S, Thanethpongtham W, Ratananukul P, Sano, T. Potential of Xanthenes from Tropical Fruit Mangosteen as Anti-cancer Agents: Caspase-dependent Apoptosis Induction In Vitro and in Mice. *Applied Biochemistry and Biotechnology*. 2010; 162(4): 1080-94.
 26. Radchatawedchakoon W, **Watanapokasin R**, Krajarng A, Yingyongnarongkul., B. Solid Phase Synthesis of Novel Asymmetric Hydrophilic Head Cholesterol-based Cationic Lipids with Potential DNA Delivery. *Bioorganic and Medicinal Chemistry*. 2010; 18(1): 330-42.
 27. **Watanapokasin R**, Boonyakamol A, Sukseree S, Krajarng A, Sophonnithiprasert T, Kanso S, Imai T. Hydrogen production and anaerobic decolorization of wastewater containing Reactive Blue 4 by by a bacterial consortium of *Salmonella subterranea* and *Paenibacillus polymyxa*. *Biodegradation*. 2010; 20 (3): 411-18
 28. Yingyongnarongkul BE, Radchatawedchakoon W, Krajarng A, **Watanapokasin R**, Suksamrarn A. High transfection efficiency and low toxicity cationic lipids with aminoglycerol-diamine conjugate. *Bioorganic & Medicinal chemistry*. 2009; 17(1): 176-88.
 29. Imai T, **Watanapokasin R**, Reungsang A, Sekine M, Higuchi T. Water environment

conservation in closed water body by high concentrated oxygen water. *Water Science and Technology*. 2008; 58; 802.

30. Boonyakamol A, Imai T, Chairattananamokorn P, **Watanapokasin R**, Higuchi T, MSekine M. Comparative decolorizing efficiency of textile dye by mesophilic and thermophilic anaerobic treatments. *Journal of Water and Environment Technology* 6. 2008; 1: 9-18.
31. **Watanapokasin R**, Sarangbin S., Kirimura K, Usami S. Polyploid formation between *Aspergillus niger* and *Trichoderma viride* for Enhanced Citric Acid Production from Cellulose. *Applied Biochemistry and Biotechnology* 2007; 143(2): 176-86.
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36. Sarangbin S, **Watanapokasin Y**. Yam bean starch: a novel substrate for citric acid production by the protease-negative mutant strain of *Aspergillus niger*. *Carbohydrate polymers* 1999; 38: 219-24.
37. **Watanapokasin Y**, Tananyutthawongese C, Uthaisang W, Chansiri K, Boonmatit C, Sarataphan, N. Intra-species Differentiation of *Trypanosoma evansi* with arbitrary primers polymerase chain reaction. *Veterinary Parasitology* 1998; 78: 259-64.
38. Chansiri K, Kawazu S, Kamio T, Fujisaki k, Panchadcharam C, **Watanapokasin Y**, Uthaisang W, Tananyuttawongese C, Sarataphan N. Inter-species differentiation of benign *Theilerias* by genomic fingerprinting with arbitrary primers. *Veterinary Parasitology* 1998; 79: 143-9.
39. **Watanapokasin Y**, Gray PP. Expression of recombinant human follicle stimulating hormone under different promoters in Chinese hamster ovary cells. *Asia Pacific Journal of Molecular Biology and Biotechnology* 1997; 5(2): 87-93.
40. Sarataphan N, Uthaisang W, Petchpoo W, **Watanapokasin Y**, Tananyutthawongese C, Onuma M, Chansiri K. Antigenic differences between Thai *Theileria* species and other benign *Theileria* species based on gene encoding immunodominant piroplasm surface proteins. *Journal of Protozoology Research* 1997; 7: 36-42.
41. Chotigeat W, **Watanapokasin Y**, Mahler S, Gray, P. P. Role of environmental conditions on the expression levels, glycoform pattern and levels of sialyltransferase

- for hFSH produced by recombinant CHO cells. *Cytotechnology* 1994;15: 217-21.
42. Mahabusarakam W, Yanya A, Rattanaburi S, Phongpaichit S, Nilwaraggoon S and **Watanapokasin R.** Prenylated flavones, dihydrobenzoxanthenes, furanodihydrobenzoxanthone from the bark of *Artocarpus elasticus*. *Natural Product Research* 2015 (submitted).
 43. Rattanaburi S, Mahabusarakam W, Nakamura Y, **Watanapokasin R.** Prenylated Flavonoids and Xanthenes from Stem Bark of *Artocarpus rigidus*. *Natural Product Research* 2015 (submitted).
 44. Kritsanawong S, Innajak S, Imoto M and **Watanapokasin R.** Apoptosis induction associated ER stress in human breast cancer cell. *Biomedical Research International* 2015 (submitted).

Abstracts and Proceedings

78 papers