CURRICULUM VITAE

Name: Ramida **WATANAPOKASIN**

Present Position **Professor**

Current Affiliation: Department of Biochemistry,
Faculty of Medicine, Srinakharinwirot University,
Sukumvit 23, Bangkok 10110, Thailand.
e-mail: ramidabc@gmail.com or ramidaw@g.swu.ac.th
Phone: 66-2-6495369, 66-82-4797824
Fax: 66-2-6495834

History of Education:

B.Sc. (Honor, Chemistry)	Khonkaen University, Khonkaen, Thailand
M.Sc. (Biochemistry)	Mahidol University, Bangkok, Thailand
Master of Applied Science (Biotechnology)	The University of New South Wales, Sydney, Australia
Doctor of Philosophy (Biotechnology)	The University of New South Wales, Sydney, Australia

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 2015, Faculty of Medicine, Srinakharinwirot University, Thailand.

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.
5. Newton Fund Ph.D. Programmes-Travel Grants for Supervisors 2015/2016.
6. Newton Fund Ph.D. Programmes-Travel Grants for Supervisors 2016/2017.
7. "Outstanding Publication 2017" Faculty of Medicine, Srinakarinwirot University.

Other Activities:

1. Director of the Joint Medical Programme (Srinakharinwirot University- University of Nottingham, UK), 2015-present.
2. Head of Biochemistry Deapartment, Faculty of Medicine, SWU, 2011-2018
3. One of the four staffs "Research Encouragement Program", Academic Research Department, Thailand Research Fund, Bangkok, Thailand, 2002-2004.
4. Advisor for Master/Ph.D. students under "Molecular Biology", "Medical Biology" and "Biotechnology" Programs.
5. Teaching undergraduate students from Faculty of Medicine, Pharmacy, Nursing and postgraduate students under "Molecular Biology", "Medical Biology" and "Biotechnology" Programs.

Fellowships

1. 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.
2. Visiting fellow under sponsorship of Faculty of Medicine, Srinakharinwirot University, November- December, 1996, Waseda University, Tokyo, Japan.
3. Postdoctoral Scholarship from Thailand Research Fund, 1997-1999.

4. Fellowship under the Memorandum of Understanding for Scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) November, 1998 at Faculty of Science and Technology, Sophia University, Tokyo, Japan.
5. Fellowship under the Memorandum of Understanding for Scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS), November, 2000 at Yamaguchi University, Japan.
6. Fellowship under the Memorandum of Understanding for Scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program “Microbial resources”, March, 2001 at Department of Molecular Biotechnology, Hiroshima University, Hiroshima, Japan.
7. Fellowship under the Memorandum of Understanding for Scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program “Microbial resources”, March, 2002 at Department of Molecular Biotechnology, Hiroshima University, Hiroshima, Japan.
8. Fellowship under the Memorandum of Understanding for Scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program “Microbial resources”, September - October, 2002 at Department of Molecular Biotechnology, Hiroshima University, Hiroshima, Japan.
9. Fellowship under the Memorandum of Understanding for Scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program “Microbial resources”, March, 2003, Department of Molecular Biotechnology, Hiroshima University, Hiroshima, Japan.
10. Fellowship under the Memorandum of Understanding for Scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program “Microbial resources", November, 2003 at Department of Molecular Biotechnology, Hiroshima University, Hiroshima, Japan.
11. Fellowship under the Memorandum of Understanding for Scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for

the Promotion of Science (JSPS) under the program "Microbial resources" November, 2004, Kyushu University, Fukuoka, Japan.

12. Visiting Professor at Center of molecular imaging diagnosis and therapy and basic science laboratory, Department of Radiology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, U.S.A. Feb 2-May 30, 2004.
13. Fellowship under the Memorandum of Understanding for Scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program "Microbial resources", October 2005 at Yamaguchi University, Yamaguchi, Japan.
14. Fellowship under the Memorandum of understanding for scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program "Microbial resources" from Sept 1- October 11, 2006 at Faculty of Environmental Engineering, Yamaguchi University, Yamaguchi, Japan.
15. 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, Nov 1, 2006-October 31, 2007.
16. Fellowship under the Memorandum of understanding for scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program "Microbial resources" from Jan 15- Feb 14, 2007 at Faculty of Environmental Engineering, Yamaguchi University, Yamaguchi, Japan.
17. Fellowship under "ASEAN-European Academic University Network" ASEAN-UNINET Program April 1-30, 2008 at Department of Dermatology, Medical University of Vienna, Austria.
18. Fellowship under the Memorandum of understanding for scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program "Asian Core Program; Capacity Building And Development Of Microbial Potential And Fermentation Technology Towards New Era" from Sept 26- Oct 20, 2008, at Department of Biosciences and Informatics, Faculty of Science and Technology, Keio Universit, Japan.

19. Fellowship under the Memorandum of understanding for scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program “Asian Core Program; Capacity Building And Development Of Microbial Potential And Fermentation Technology Towards New Era” from March 2- March 31, 2010, at Department of Biosciences and Informatics, Faculty of Science and Technology, Keio Universit, Japan.
20. Fellowship under “ASEAN-European Academic University Network” ASEAN-UNINET Program Mayl 1-30, 2010 at Department of Dermatology, Medical University of Vienna, Austria.
21. Fellowship under the Memorandum of understanding for scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program “Asian Core Program; Capacity Building And Development Of Microbial Potential And Fermentation Technology Towards New Era” from March 1- March 31, 2011, at Department of Biosciences and Informatics, Faculty of Science and Technology, Keio Universit, Japan.
22. Fellowship under the Memorandum of understanding for scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program “Asian Core Program; Capacity Building And Development Of Microbial Potential And Fermentation Technology Towards New Era” from 2012-2017, at Department of Biosciences and Informatics, Faculty of Science and Technology, Keio Universit, Japan.
23. Newton Fund Ph.D. Programmes-Travel Grants for Supervisors 2015/2016.
24. Newton Fund Ph.D. Programmes-Travel Grants for Supervisors 2016/2017.
25. Fellowship under the Memorandum of understanding for scientific Cooperation between National Research Council of Thailand (NRCT) and the Japan Society for the Promotion of Science (JSPS) under the program “Asian Core Program; Capacity Building And Development Of Microbial Potential And Fermentation Technology Towards New Era” from 2012-2018, at Department of Biosciences and Informatics, Faculty of Science and Technology, Keio University, Japan.

Poster and Oral presentations >100 papers

Publications:

1. Kalick SL, Khan AH, Maung E, Baez Y, Atkinson NA, Day F, Delgadillo EB, Wallace EC, Mondal A, **Watanapokasin R**, Barbalho MS, and Bishayee A. Mangosteen for Malignancy Prevention and Intervention: Current Evidence, Challenges, and Future perspectives. *Pharmacol Res,* 2023;188106630):1-24. DOI 10.1016/j.phrs.2022.106630.
2. Chomlamay N, Poorahong W, Innajak S and **Watanapokasin R.** Apoptosis induction through enhanced ER stress response via up-regulated p38/c-Jun MAPKs proteins in human cervical cancer cells by *Colocasia esculenta* var. *aquatilis* Hassk extract. *Sci Pharm* 2022; 90(45):1-14. https://doi.org/10.3390/scipharm90030045
3. Yangnok K, Innajak S, Sawasjirakij R, Mahabusarakam W and **Watanapokasin R.** Effects of artonin E on cell growth inhibition and apoptosis induction in colon cancer LoVo and HCT116 cells. *Molecules* 2022; 27:2095 http://doi.org/10.3390/molecules27072095.
4. Kittiwattanokhun A, Innajak S, Tashiro E, Imoto M, **Watanapokasin R**. Cinnamomum bejolghota Extract Inhibits Colorectal Cancer Cell Metastasis and TGF-β1-Induced Epithelial-Mesenchymal Transition via Smad and Non-Smad Signaling Pathway. *Sci Pharm* 2022; 90(2):1-18. 10.3390/scipharm90020030.
5. Daus M, Wunnoo S, Voravuthikunchai SP, Saithong S, Poldorn P, Jungsuttiwong S, Chomlamay N, Yangok K, **Watanapokasin R**, Chakthong S. Phloroglucinol-meroterpenoids from the leaves of Eucalyptus camaldulensis Dehnh. *Phytochem* 2022 Apr 6;200:113179. doi: 10.1016/j.phytochem.2022.113179.
6. Apiratikul N , Sriklung K, Dolsophon K, Thamvapee P, **Watanapokasin R**, Yingyongnarongkul B, Niyomtham N, Bremner JB, Watanavetch P , Samosorn S. Enhancing Anticancer Potency of a 13-Substituted Berberine Derivative with Cationic Liposomes. *Chem Pharm Bull*(Tokyo) 2022 Mar 26.doi: 10.1248/cpb.c21-01049.
7. Poorahong W, Innalak S, Ungsurungsie M, **Watanapokasin R.** Purple corn silk extract attenuates UVB-induced inflammation in human keratinocyte cells. *Sci Pharm* 2022, March 90(1): 18; https://doi.org/10.3390/scipharm90010018.
8. Daus M, Chakthong S, Dumjun K, Paosen S, Voravuthikulchai SP, Poldorn P, Jungsuttiwong S, Chomlamay N, Yangnok and **Watanapokasin R.** New acylphloroglucinols from a crude acetone extract of Eucalyptus camaldulensis Dehnh. leaf. *Nat Prod Res* 2022; 1-8. https://doi.org/10.1080/14786419.2022.2118742.
9. Rattanaburi, S., Kaikaew, K., **Watanapokasin, R**., Phongpaichit, S., Mahabusarakamb, W. A new lignan from the stem bark of Fagraea fragrans Roxb. *Nat Prod Res* 2022; 36(7):pp. 1851–1856.
10. Poomsaard S, Sakdawattanakul I, Ackapronwong N, Innajak S, Poorahong W, Pingaew R, **Watanapokasin R**. Effect of 1,4-napthoquinone derivatives on anti-proliferation and apoptosis induction in skin. *J Med Assoc Thai* 2022; 105 :S26-S31.
11. Sriklung K, Apiraul N, Samosorn S, **Watanapokasin R**. Lupalbigenin inhibiting nuclear factor Kappa B translocation associated with anti-inflammatory responses in lipopolysaccharide-stimulated RAW 264.7 macrophages. *J Med Assoc Thai* 2022; 10:5 S32-S38.
12. Tamvapee P, **Watanapokasin R.** Apoptosis induction through MAPK signaling pathway in LoVo cells by fatty acid fraction from rice bran oil. *Nutr Cancer* August 2021 DOI10.1080/01635581.2021.1969418**20**21 2021

13. Poorahong W, Innalak S, Ungsurungsie M, **Watanapokasin R.** Protective effect of purple corn silk extract against ultraviolet-B-induced cell damage in human keratinocyte cells. *J Ad Pharmaceutic Technol Res* 2021;12(2): pp140-146. *Open Access*.
14. Kittiwattanokhun A, Samosorn S, Innajak S, **Watanapokasin R.** Inhibitory effects on chondrosarcoma cell metastasis by *Senna alata* extract.*Biomed Pharmacother* 2021; 137 article number 111337.
15. Phetkul U, Hayiawae N, Khunthong S, Voravuthikunchai PS, Tamvapee P, **Watanapokasin R.** and Chakthong S. Zanthoisobutylamides A C: rare dimeric C-6 substituent dihydrobenzophenanthridine alkaloids from the roots of Zanthoxylum nitidum. Nat Prod Res; 2021: 1-10. https://doi.org/10.1080/14786419.2021.2000979.
16. Sophonnithiprasert T, Aruksakunwong O, Tashiro E, Kondoh Y, Muroi M, Osada H, Imoto M, **Watanapokasin R**.* Interaction between goniothalamin and peroxisomal multifunctional enzyme type 2 triggering endoplasmic reticulum stress. *Heliyon* 2020; 6(10), e05200 (Open Access).
17. Tayeh M, **Watanapokasin R.** Anti-metastatic potential of rhodomyrtone on human chondrosarcoma SW1353 cells. *Evide Based and Complement Altern Med* 2020 Article ID 8180261 (Open Access).
18. Tayeh M, Poonsit H, Hathaichanok K, **Watanapokasin R.** Anti-migration and anti-invasion abilities of methanolic leave extract of Clerodendrum Inerme on lung cancer cells. *Pharmacog J* 2020; 12(5):1024-1231.
19. Rattanaburi S, Sriklung K, **Watanapokasin R,** Mahabusarakam W. New flavonoids and xanthone from the stem bark of *Artocarpus rigidus* blume and cytotoxicity *Natural Product Research* 2020; 25(21):40104017.https://doi.org/10.1080/14786419.2020.1753734.
20. Sophonnithiprasert T, Mahabusarakam W, **Watanapokasin R.** Artonin E sensitizes TRAIL-induced apoptosis by DR5 upregulation and cFLIP downregulation in TRAIL-refractory colorectal cancer LoVo cells. *J Gastroenterointest Oncol* 2019; Apr; 10(2): 209-217.
21. Chukaew A, Saithong S, Chusri S, Limsuwan S, **Watanapokasin R,** Voravuthikunchai SP, Chakthong S**.** Cytotoxic xanthones from the roots of Mesua ferrea L. *Phytochem* 2019; Jan;157:64-70..doi: 10.1016/j.*phytochem* 2018.10.008.
22. Innajak S, Chulasiri M, **Watanapokasin R.** Anti-proliferation and apoptosis induction in epidermoid carcinoma A431 cells by Terminalia Bellirica extract. *J Med Assoc Thai* 2019; 102 (Suppl.6):1-4.
23. Laomethakorn P, Jaitrong M, Samosorn S, **Watanapokasin R.** The inhibitory effect of 13-butylberberine bromide on the metastasis in breast cancer MDA-MB-231 cells. *J Med Assoc Thai* 2019; 102 (Suppl.6):12-16.
24. Chowchaikong N, Nilwarangkoon S, Laphookhieo S, Tanunyutthawongse C, **Watanapokasin R**. p38 Inhibitor inhibits apoptosis in cowanin-treated human colorectal adenocarcinoma cell line. *Int J Oncol* 2018. Jun;52(6):2031-2040 Doi :10.3892/ijo.2018.4353.
25. Tayeh M, Nilwarangkoon S, Tanunyutthawongse C, Mahabusarakum W and **Watanapokasin R.** Apoptosis and antimigration induction in human skin cancer cells by rhodomyrtone. *Exp Ther Med* 2018; 15: 5035-5040.

26. Tangchirakhaphan S, innajak S, Nilwarangkoon S , Tanjapatkul N, Mahabusarakum W, and **Watanapokasin R.** Mechanism of apoptosis induction associated with ERK1/2 upregulation by goniothalamin in melanoma cell**.** *Exp Ther Med* 2018**;**15(3):3052-3058.

27. Krajarng A, Chulasiri M, **Watanapokasin R.** Etlingera elatior Extract Promotes Cell Death in B16 Melanoma Cells via Down-regulation of ERK and Akt Signaling Pathways. *Evid Based and Complementary Altern Med* 2017; 17:415-423.

28. Pankam T, Kerr SJ, Teeratakulpisan N, Rodbamrung P, Wongkanya T, Keelawat S, Ruangritchankul K, Hongchookiat P, **Watanapokasin R**, Phanuphak N.

    Human papillomavirus in anal biopsy tissues and liquid-based cytology samples of HIV-positive and HIV-negative Thai men who have sex with men. ***Papillomavirus Research*** 2017; 3:149-154.

29. Huang LH, Chen YX, Yu JC, Yuan J, Li HJ, Ma WZ, **Watanapokasin R**, Hu KC, Niaz SI, Yang DP, Lan WJ. Secondary Metabolites from the Marine-Derived Fungus Dichotomomyces sp. L-8 and Their Cytotoxic Activity. ***Molecules***2017; 22(3):1-7. doi: 10.3390/molecules22030444.

30. Daus M, Chaithada P, Phongpaichit S, **Watanapokasin R**, Carroll AR, Mahabusarakam W. New prenylated dihydrochalcones from the leaves of Artocarpus elasticus. *Phytochem Lett* 2017; 19:226-230.

31. Tangchirakhaphan S, innajak S, Nilwarangkoon S , Tanjapatkul N, Mahabusarakum W, and **Watanapokasin R.** Anti-proliferation and apoptosis induction in epidermoid carcinoma A431 cells by artonin E. ***Journal Medical Association of Thailand*** 2017 ;100 (Suppl. 8):S54-S60.

32. Chowchaikong N, Nilwarangoon S, Tanjapatkul N, Laphookhieo S, **Watanapokasin R.** Apoptosis induction in breast cancer cells by cowanin. *J Med Assoc Thai* 2017 ;100(Suppl.8): S7-S12.

33. Sophonnithiprasert T., Mahabusarakam W., Nakamura Y., **Watanapokasin R.** Mitochondria-mediated apoptosis associated endoplasmic reticulum stress-induced JNK activation in HeLa cells by goniothalamin. *Oncol Lett* 2017 Jan; 13(1):119-128. DOI: 10.3892/ol.2016.5381·

34. Tayeh M, Nilwarangoon S, Mahabusarakum W, **Watanapokasin R.**

    Anti-metastatic effect of rhodomyrtone fom Rhodomyrtus tomentosa on human skin cancer cells. *Int J Oncol* 2017 Mar; 50(3):1035-1043 doi: 10.3892/ijo.2017.3845.

35. Innajak S, Nilwarangoon S, MahabusarakamW, **Watanapokasin R.** Anti-proliferation and Apoptosis Induction in Breast CancerCells by *Cratoxylum cochinchinense* extract.· *J Med Assoc Thai* 2016 ; 99: S84-S89.

36. Ikeda H, Shikata Y, **Watanapokasin R,** Tashiro E, Imoto M. Metacycloprodigiosin induced cell death selectively in β-catenin-mutated tumor cells. ***The Journal of Antibiotics (Tokyo)*** 2017 Jan; 70(1):109-112. doi: 10.1038/ja.2016.75.

37. Innajak S, Mahabusrakum W, **Watanapokasin** R. Goniothalamin induces apoptosis associated with autophagy activation through MAPK signaling in SK-BR-3 cells. *OncolRep* 2016 May;35(5): 2851-8.

38. Kritsanawong S, Innajak S, Imoto M and **Watanapokasin R**. Apoptosis induction associated ER stress in human breast cancer cell. *Int J Oncol* 2016 May;48(5):2155-65.
39. Jaisin Y, Ratanachamnong R, Prachayasittikul S, **Watanapokasin R**, Kuanpradit C. Protective effects of ethyl acetate extract of Eclipta prostrata against 6-hydroxydopamine-induced neurotoxicity in SH-SY5Y cells. *Sci Asia*. 2016;42(4):259. DOI: 10.2306/*Sci Asia*1513-1874.2016.42.259.
40. Sukseree S, Sophonnithiprasert T, Pradidarcheep W, Nilbunga S, Nilwarangoon S, **Watanapokasin R.** Investigation of therapeutic effects of alpha-mangostin on thioacetamide-induced cirrhosis in rats. J Med Assoc Thai 2015 Oct;98 Suppl 9:S91-S97.
41. Sophonnithiprasert T, Mahabusarakam W, Nakamura Y, **Watanapokasin R**. Antiproliferation and Apoptosis Induction in Colorectal Cancer Cells by Goniothalamin. *J Med Assoc Thai* 2015 Oct;98 Suppl 9:S146-51.
42. Sophonnithiprasert T, Nilwarangkoon S, Nakamura Y, **Watanapokasin R**. Goniothalamin enhances TRAIL-induced apoptosis in colorectal cancer cells through DR5 up-regulation and cFLIP down-regulation. Int *J Oncol* 2015 Dec;47(6):2188-96.
43. 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 Complement Altern Med 2015 ; 15:26-34.
44. Pringsulaka O, Rueangyotchanthana K, Suwannasai N, **Watanapokasin R**, Amnueysit P, Sunthornthummas S, Sukkhum S, Sarawaneeyaruk S, Rangsiruji A. *In vitro* screening of lactic acid bacteria for multi-strain probiotics. *Livestock Sci* 2015; 174:66-73.
45. 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 Ortho Sci* 2015; July;20(4):708-16. DOI 10.1007/s00776-015-0727-3.
46. 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. *Open Rheumatolol* 2014; 8, 69-72.
47. 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 J Microbiol Biotechnol* 2014; Aug 30(8):2199-204.
48. Rattanaburi S, Daus M,**Watanapokasin R** and Mahabusarakam W.Bisanthraquinone and Cytotoxic Xanthones from Cratoxylum cochinchinense. *Nat Prod Res* 2014 Jul;28(13):945-51. DOI: 10.1080/14786419.2014.886212
49. Phetkul U, Phongpaichit S, **Watanapokasin** R, Mahabusarakam W.New depside from Citrus reticulata Blanco. *Nat Prod Res* 2014; 28(9):606-10
50. Tancharoen W, Teeraaungkul S, Krajarng 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. *J Modern Med Chem* 2013; 1, 37-42.

51. Sukseree S, Eckhart L, Tschachler E, **Watanapokasin R.** Autophagy in epithelial homeostasis and defense. *Front Biosci* (Elite Edition) 2013 Jun 1;5:1000-10.
52. 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. *Biosci Biotechnol Biochem* 2013; 77(8):130212-1-8.
53. 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. *Biochem Biophys Res Commun* 2013 Jan 11;430(2):689-94. doi: 10.1016/j.bbrc.2012.11.090.
54. 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* 2013 Jun;15:1000-1010.
55. Nakamura Y, Tada H, **Watanapokasin R**, Kato H. Pathophysiological examination of progressive pseudorheumatoid dysplasia and osteoarthritis. *Clin Orthopaed* 2013; 64:50-51.
56. Thuncharoen W, Chulasiri M, Nilwarangkoon S, Nakamura Y and **Watanapokasin R**. Apoptotic induction of skin cancer cell death by plant extracts. *J Med Assoc Thai* 2013; 96 Suppl 1:S60-4.
57. Poonkhum R, **Watanapokasin R,** and Pradidarcheep W. Protective Effect of α-Mangostin Against Type-I Collagen Formation in Thioacetamide-Induced Cirrhotic Rat. *J Med Assoc Thai* 2013, 95 (suppl.):S93-S98
58. Yamamoto K, Makino M, **Watanapokasin R**, Tashiro E, Imoto M. Inostamycin enhanced TRAIL-induced apoptosis through DR5 up-regulation on the cell surface. J *Antibiot (Tokyo)*. 2012 Jun;65(6):295-300. doi: 10.1038/ja.2012.21.
59. Krajang A, Nilwarangoon S, Suksamrarn S, **Watanapokasin R**. Antiproliferative effect of α-mangostin on canine osteosarcoma cells. *Res Vet Sci* 2012 Oct;93(2):788-94.
60. 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. Appl Biochem Biotechnol 2012 Jan;166(1):64-71.
61. **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 Gastroenterol* 2011; 16: 2086-95.
62. Kirttipornsakda P, Tanechpongtamb W, Nilwarangkoon S, Suksamran S, **Watanapokasin R .** Cytotoxicity and apoptotic induction mechanism by mangosteen extract in prostate cancer cells. *Srinakharinwirot Sci J* 2011; 27 (2):165-178.
63. 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. *J Agric Food Chem* 2011; 59: 5746-54.
64. Radchatawedchakoon W, Krajarng A, Niyomtham N, **Watanapokasin R,** Yingyongnarongkul BE. High Transfection Efficiency of Cationic Lipids with Asymmetric Acyl-Cholesteryl Hydrophobic Tails. *Chem Euro J* 2011; 17: 3287-95.

65. Kanso S, Dasrib K, Tingthonga S, **Watanapokasin R**. Diversity of cultivable hydrogen-producing bacteria isolated from agricultural soils, waste water sludge and cow dung. *Int J Hydrog Energy* 2011; 36(14):8735-8742.
66. **Watanapokasin R,** Jarinthanun F, Jerusalmi A, Suksamran S, Nakamura Y, Sukseree S, Thanethpongtham W, Ratananukul P, Sano, T. Potential of Xanthones from Tropical Fruit Mangosteen as Anti-cancer Agents: Caspase-dependent Apoptosis Induction In Vitro and in Mice**.** *Appl Biochem Biotechnol* 2010; 162(4): 1080-94.
67. Radchatawedchakoon W, **Watanapokasin R**, Krajarng A, Yingyongnarongkul., B. Solid Phase Synthesis of Novel Asymmetric Hydrophilic Head Cholesterol-based Cationic Lipids with Potential DNA Delivery. *Bioorg Med Chem* 2010; 18(1): 330-42.
68. **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·
69. Yingyongnarongkul BE, Radchatawedchakoon W, Krajarng A, **Watanapokasin R**, Suksamrarn A. High transfection efficiency and low toxicity cationic lipids with aminoglycerol-diamine conjugate. Bioorg Med Chem 2009; 17(1): 176-88.
70. Imai T, **Watanapokasin R**, Reungsang A, Sekine M, Higuchi T. Water enviroment conservation in closed water body by high concentrated oxygen water. *Water Sci Technol* 2008; 58; 802.
71. Boonyakamol A, Imai T, Chairattanamanokorn P, **Watanapokasin R**, Higuchi T, MSekine M. Comparative decolorizing efficiency of textile dye by mesophilic and thermophilic anaerobic treatments. *J Water Envi Technol* 6. 2008; 1: 9-18.
72. **Watanapokasin R,** Sarangbin S, Kirimura K, Usami S. Polyploid formation between Aspergillus niger and Trichoderma viride for Enhanced Citric Acid Production from Cellulose. *Appl Biochem Biotechnol* 2007; 143(2): 176-86.
73. **Watanapokasin R,** Sanmund D, Kongnium W, Winichagoon P, Koichiro M, Fucharoen S. Hydroxyurea responses and HbF induction in β-thalassemia/HbE patients peripheral blood erythroid cell culture. *Ann Hematol* 2006; 85: 164-69.
74. **Watanapokasin Y,** Chuncharunee S, Sanmund D, Kongnium W, Winichagoon P, Rodgers GP, Fucharoen S. In vivo and in vitro studies of fetal hemoglobin induction by hydroxyurea in β-thalassemia/HbE patients. *Exp Hematol* 2005; 33: 1486-92.
75. **Watanpokasin Y**, Nuchfoang S, Nilwarangkul S, Sarangbin S, Kaizono T. Isolation and characterisation of the thermophilic benzothiophene-degrading Mycobacterium sp. *Appl Biochem Biotechnol* 2002; 98-100:301-9.
76. 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.
77. **Watanapokasin Y,** Winichagoon P, Fucharoen S, Wilairat P. Relative quantitation of mRNA in β-thalassemia/Hb E using real-time polymerase chain reaction. *Hemoglobin* 2000; 24(2): 105-16.

78. Sarangbin S, **Watanapokasin Y.** Yam bean starch: a novel substrate for citric acid production by the protease-negative mutant strain of Aspergillus niger. *Carbohydrate polym* 1999; 38: 219-24.
79. **Watanapokasin Y**, Tananyutthawongese C, Uthaisang W, Chansiri K, Boonmatit C, Sarataphan, N. Intra-species Differentiation of Trypanosoma evansi with arbitrary primers polymerase chain reaction. *Vet Parasitol* 1998; 78: 259-64.
80. 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. *Vet Parasitol* 1998; 79: 143-9.
81. **Watanapokasin Y,** Gray PP. Expression of recombinant human follicle stimulating hormone under different promoters in Chinese hamster ovary cells. *Asia Pacific J Molec Biolol Biotechnol* 1997; 5(2): 87-93.
82. 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. *J Protozool Res* 1997; 7: 36-42.
83. 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. *Cytotechnol* 1994;15: 217-21.