

## CURRICULUM VITAE



**Name:** Ramida WATANAPOKASIN

**Present Position** Professor

*Director of the Joint Medical Programme  
(Srinakharinwirot University- University of  
Nottingham, UK)*

**Current Affiliation:** Department of Biochemistry,  
Faculty of Medicine, Srinakharinwirot University,  
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### **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 Department, 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 University, 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 May1 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. 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*, 27, 2095  
<http://doi.org/10.3390/molecules27072095>
2. Daus M, Wunnoo S, Voravuthikunchai SP, Saithong S, Poldorn P, Jungstittiwong S, Chomlamay N, Yangok K, **Watanapokasin R.** Chakthong S. Phloroglucinol-meroterpenoids from the leaves of *Eucalyptus camaldulensis* Dehnh. *Phytochemistry* 2022 Apr 6;200:113179. doi: 10.1016/j.phytochem.2022.113179.
3. 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. *Chemical and Pharmaceutical Bulletin* (Tokyo) 2022 Mar 26. doi: 10.1248/cpb.c21-01049.
4. Poorahong W, Innalak S, Ungsurungsie M, **Watanapokasin R.** Purple corn silk extract attenuates UVB-induced inflammation in human keratinocyte cells. *Scientia Pharmaceutica* March 2022, 90(1), 18; <https://doi.org/10.3390/scipharm90010018>.
5. Rattanaburi, S., Kaikaew, K., **Watanapokasin, R.**, Phongpaichit, S., Mahabusarakamb, W. A new lignan from the stem bark of *Fagraea fragrans* Roxb. *Natural Product Research*, 2022, 36(7), pp. 1851–1856
6. Poomsaard S, Sakdawattanakul I, Ackapronwong N, Innajak S, Poorahong W, Pingaew R, **Watanapokasin R.** Effect of 1,4-naphthoquinone derivatives on anti-proliferation and apoptosis induction in skin. *Journal Medical Association of Thailand* 2022; 105 S26-S31.
7. 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. *Journal Medical Association of Thailand* 2022; 105 S32-S38.
8. Tamvapee P, **Watanapokasin R.** Apoptosis induction through MAPK signaling pathway in LoVo cells by fatty acid fraction from rice bran oil. *Nutrition and Cancer* August 2021 DOI10.1080/01635581.2021.19694182021 2021
9. Phetkul U, Hayiawae N, Khunthong S, Daus M, Piyawan Voravuthikunchai S, Tamvapee P, **Watanapokasin R.** & Chakthong S. Zanthoisobutylamides A – C: rare dimeric C-6 substituen dihydrobenzophenanthridine alkaloids from the roots of *Zanthoxylum nitidum*. *Natural Product Research* 2021;Dec 2021.pp1-9. DOI: 10.1080/14786419.2021.2000979
10. 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. *Journal of Advanced Pharmaceutical Technology and Research* 2021;12(2), pp. 140-146. *Open Access*.
11. Kittiwattanokhun A, Samosorn S, Innajak S, **Watanapokasin R.** Inhibitory effects on chondrosarcoma cell metastasis by *Senna alata* extract. *Biomedicine and Pharmacotherapy* 2021; 137 article number 111337.

12. Sophonnithiprasert T, Aruksakunwong O, Tashiro E, Kondoh Y, Muroi M, Osada H, Imoto M, **Watanapokasin R**\* Interaction between goniotalamin and peroxisomal multifunctional enzyme type 2 triggering endoplasmic reticulum stress. *Heliyon* 2020; 6(10), e05200 (Open Access).
13. Tayeh M, **Watanapokasin R**. Anti-metastatic potential of rhodomyrtone on human chondrosarcoma SW1353 cells. *Evidence Based and Complementary Alternative Medicine* (2020)plementary and Alternative Medicine Article ID 8180261 (Open Access)
14. Tayeh M, Poonsit H, Hathaichanok K, **Watanapokasin R**.Anti-migration and anti-invasion abilities of methanolic leave extract of Clerodendrum Inerne on lung cancer cells. *Pharmacognosy Journal* 2020; 12(5):1024-1231.
15. 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>
16. 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. *Journal of Gastroenterointestinal Oncology* 2019; Apr; 10(2): 209-217.
17. Chukaew A, Saithong S, Chusri S, Limsuwan S, **Watanapokasin R**, Voravuthikunchai SP, Chakthong S.Cytotoxic xanthenes from the roots of *Mesua ferrea* L. *Phytochemistry*. 2019; Jan;157:64-70..doi: 10.1016/j.phytochem.2018.10.008.
18. Innajak S, Chulasiri M, **Watanapokasin R**. Anti-proliferation and apoptosis induction in epidermoid carcinoma A431 cells by Terminalia Bellirica extract. *Journal Medical Association of Thailand* 2019; 102 (Suppl.6):1-4.
19. 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. *Journal Medical Association of Thailand* 2019; 102 (Suppl.6):12-16.
20. Chowchaikong N, Nilwarangkoon S, Laphookhieo S, Tanunyutthawongse C, **Watanapokasin R**. p38 Inhibitor inhibits apoptosis in cowanin-treated human colorectal adenocarcinoma cell line. *International Journal of Oncology* 2018. Jun;52(6):2031-2040 Doi :10.3892/ijo.2018.4353.
21. Tayeh M, Nilwarangkoon S, Tanunyutthawongse C, Mahabusarakum W and **Watanapokasin R**. Apoptosis and antimigration induction in human skin cancer cells by rhodomyrtone. *Exerimental and Therapeutic Medicine* 2018; 15: 5035-5040.
22. Tangchirakhaphan S, innajak S, Nilwarangkoon S , Tanjapatkul N, Mahabusarakum W, and **Watanapokasin R**. Mechanism of apoptosis induction associated with ERK1/2 upregulation by goniotalamin in melanoma cell. *Exerimental and Therapeutic Medicine* 2018;15(3):3052-3058.
23. 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. *Evidence Based and Complementary Alternative Medicine* 2017; 17:415-423.

24. 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.
22. 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.
23. Daus M, Chaithada P, Phongpaichit S, **Watanapokasin R**, Carroll AR, Mahabusarakam W. New prenylated dihydrochalcones from the leaves of *Artocarpus elasticus*. *Phytochemistry Letters* 2017; 19:226-230.
24. Tangchirakhaphan S, Innajak S, Nilwarangoon 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.
25. Chowchaikong N, Nilwarangoon S, Tanjapatkul N, Laphookhieo S, **Watanapokasin R**. Apoptosis induction in breast cancer cells by cowanin. *Journal Medical Association of Thailand* 2017 ;100(Suppl.8): S7-S12.
26. Sophonnithiprasert T., Mahabusarakam W., Nakamura Y., **Watanapokasin R**. Mitochondria-mediated apoptosis associated endoplasmic reticulum stress-induced JNK activation in HeLa cells by goniotalamin. *Oncology Letters* 2017 Jan; 13(1):119-128. DOI: 10.3892/ol.2016.5381
27. Tayeh M, Nilwarangoon S, Mahabusarakum W, **Watanapokasin R**.  
Anti-metastatic effect of rhodomertone from *Rhodomyrtus tomentosa* on human skin cancer cells. *International Journal of Oncology* 2017 Mar; 50(3):1035-1043 doi: 10.3892/ijo.2017.3845.
28. Innajak S, Nilwarangoon S, Mahabusarakum W, **Watanapokasin R**. Anti-proliferation and Apoptosis Induction in Breast Cancer Cells by *Cratoxylum cochinchinense* extract. *Journal Medical Association of Thailand* 2016 ; 99: S84-S89.
29. Ikeda H, Shikata Y, **Watanapokasin R**, Tashiro E, Imoto M. Metacycloprodigosin induced cell death selectively in  $\beta$ -catenin-mutated tumor cells. *The Journal of Antibiotics (Tokyo)* 2017 Jan; 70(1):109-112. doi: 10.1038/ja.2016.75.
30. Innajak S, Mahabusarakum W, **Watanapokasin R**. Goniotalamin induces apoptosis associated with autophagy activation through MAPK signaling in SK-BR-3 cells. *Oncology Report* 2016 May;35(5): 2851-8.
31. Kritsanawong S, Innajak S, Imoto M and **Watanapokasin R**. Apoptosis induction associated ER stress in human breast cancer cell. *International Journal of Oncology* 2016 May;48(5):2155-65.
32. 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. *Science Asia*. 2016;42(4):259. DOI: 10.2306/scienceasia1513-1874.2016.42.259.



33. 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. *Journal Medical Association of Thailand* 2015 Oct;98 Suppl 9:S91-S97.
34. Sophonnithiprasert T., Mahabusarakam W., Nakamura Y., **Watanapokasin R.** Antiproliferation and Apoptosis Induction in Colorectal Cancer Cells by Goniiothalamine. *Journal Medical Association of Thailand* 2015 Oct;98 Suppl 9:S146-51.
35. Sophonnithiprasert T., Nilwarangkoon S., Nakamura Y., **Watanapokasin R.** Goniiothalamine enhances TRAIL-induced apoptosis in colorectal cancer cells through DR5 up-regulation and cFLIP down-regulation. *International Journal of Oncology* 2015 Dec;47(6):2188-96.
36. 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.
37. 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 Science* 2015; 174:66-73.
38. 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. *Journal of Orthopaedic Science* 2015; July;20(4):708-16. DOI 10.1007/s00776-015-0727-3.
39. 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.
40. 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 of Microbiology and Biotechnology* 2014; Aug 30(8):2199-204.
41. Rattanaburi S, Daus M, **Watanapokasin R** and Mahabusarakam W. Bisanthraquinone and Cytotoxic Xanthenes from *Cratoxylum cochinchinense*. *Natural Product Reserch* 2014; Jul;28(13):945-51. DOI: 10.1080/14786419.2014.886212
42. Phetkul U, Phongpaichit S, **Watanapokasin R,** Mahabusarakam W. New depside from *Citrus reticulata* Blanco. *Natural Product Reserch* 2014; 28(9):606-10
43. 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. *Journal Modern Medicinal Chemistry* 2013; 1, 37-42.
44. Sukseree S, Eckhart L, Tschachler E, **Watanapokasin R.** Autophagy in epithelial homeostasis and defense. *Frontiers in Bioscience* (Elite Edition) 2013 Jun 1;5:1000-10.
45. 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.
46. 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 Communications* 2013 Jan 11;430(2):689-94. doi: 10.1016/j.bbrc.2012.11.090.
  47. 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; Jun1;5:1000-1010.
  48. Nakamura Y, Tada H, **Watanapokasin R**, Kato H. Pathophysiological examination of progressive pseudorheumatoid dysplasia and osteoarthritis. *Clinical Orthopaedic* 2013, 64:50-51.
  49. Thuncharoen W, Chulasiri M, Nilwarangkoon S, Nakamura Y and **Watanapokasin R**. Apoptotic induction of skin cancer cell death by plant extracts. *Journal Medical Association of Thailand* 2013, 96 Suppl 1:S60-4.
  50. Poonkhum R, **Watanapokasin R** and Pradidarcheep W. Protective Effect of  $\alpha$ -Mangostin Against Type-I Collagen Formation in Thioacetamide-Induced Cirrhotic Rat. *Journal Medical Association of Thailand* 2013, 95 (suppl.):S93-S98
  51. Yamamoto K, Makino M, **Watanapokasin R**, Tashiro E, Imoto M. Inostamycin enhanced TRAIL-induced apoptosis through DR5 up-regulation on the cell surface. *The Journal of Antibiotics (Tokyo)*.2012 Jun;65(6):295-300. doi: 10.1038/ja.2012.21.
  52. Krajang A, Nilwarangoon S, Suksamrarn S, **Watanapokasin R**. Antiproliferative effect of  $\alpha$ -mangostin on canine osteosarcoma cells. *Research in veterinary Science* 2012 Oct;93(2):788-94.
  53. 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.
  54. **Watanapokasin R**, Jarinthanon F, Nakamura Y, Sawasjirakij N, Jaratrungtawee A, Suksamrarn S. Effects of  $\alpha$ -mangostin on apoptosis induction of human colon cancer. *World Journal of Gastroenterology* 2011; 16: 2086-95.
  55. 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.
  56. Krajang A, Nakamura Y, Suksamrarn S, **Watanapokasin R**.  $\alpha$ -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.
  57. Radchatawedchakoon W, Krajang A, Niyomtham N, **Watanapokasin R**,

- Yingyongnarongkul BE. High Transfection Efficiency of Cationic Lipids with Asymmetric Acyl-Cholesteryl Hydrophobic Tails. *European Journal of Chemistry* 2011; 17: 3287-95.
58. 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* 2011; 36(14):8735-8742.
  59. **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.
  60. 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 & Medicinal Chemistry* 2010; 18(1): 330-42.
  61. **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 a bacterial consortium of *Salmonella subterranea* and *Paenibacillus polymyxa*. *Biodegradation*. 2010; 20 (3): 411-18
  62. 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.
  63. Imai T, **Watanapokasin R**, Reungsang A, Sekine M, Higuchi T. Water environment conservation in closed water body by high concentrated oxygen water. *Water Science & Technology* 2008; 58; 802.
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