

Curriculum Vitae

Name: Yamaratee
Surname: Jaisin
Academic position: Assistant Professor. DR.
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Department of Pharmacology, Faculty of Medicine, Srinakharinwirot University
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Education:

2005 – 2010 PhD. (Pharmacology)
Faculty of Science, Mahidol University, Bangkok, Thailand
1999 – 2003 B.N.S. (Nursing, the 2nd honors),
School of Nursing, Faculty of Medicine, Ramathibodi Hospital,
Mahidol University, Bangkok, Thailand

Scholarships:

2007 – 2010 Strategic Scholarships Fellowships Frontier Research networks

Research Experiences

In vitro cell culture model for studying pharmacological activity of medicinal herbs.

Award:

1. Best poster presentation at The Pharmacology and Therapeutic Society of Thailand; 25-26 March, 2010
2. Travel award at International Brain Research Organization (IBRO) Associate School of Neuroscience, Nanjing, China; August, 2009.
3. Scholarship from Faculty of Medicine, Srinakharinwirot University to do research training for 3 months during May-July, 2018 at Kyushu University, Fukuoka, Japan.

Publications:

1. Thampithak A, **Jaisin Y**, Meesarapee B, Chongthammakun S, Piyachaturawat P, Govitrapong P, Supavilai P, Sanvarinda Y. Transcriptional regulation of iNOS and COX-2 by a novel compound from *Curcuma comosa* in lipopolysaccharide-induced microglial activation. *Neurosci Letter* 2009; 462: 171-5.
2. **Jaisin Y**, Thampithak A, Meesarapee B, Ratanachamnong P, Suksamrarn A, Phivthong-ngam L, Phumala-Morales N, Chongthammakun S, Govitrapong P, Sanvarinda Y. Curcumin I protects the dopaminergic cell line SH-SY5Y from 6-hydroxydopamine-induced neurotoxicity through attenuation of p53-mediated apoptosis. *Neurosci Lett* 2011; 489: 192–6.
3. Sinchai T, Plasen S, Sanvarinda Y, **Jaisin Y**, Govitrapong P, Phumala-Morales N, Ratanachamnong P, Plasen D. Caffeine potentiates methamphetamine-induced toxicity both *in vitro* and *in vivo*. *Neurosci Lett* 2011; 502: 65-69
4. Niwaspragit C, Munyunont M, **Jaisin Y** and Ratanachamnong P. Study on physical properties, hydrolysable tannin content and free radical scavenging activities of *Phyllanthus emblica* Linn. from Kanchanaburi province. *Thai J Pharmacol* 2013; 35 (1):3-13.

5. Meesarapee B, Thampithak A, **Jaisin Y**, Sanvarinda P, Suksamrarn A, Tuchinda P, Phumala-Morales N and Sanvarinda Y. Curcumin I mediates neuroprotective effect through attenuation of quinoprotein formation, p-p38 MAPK expression, and caspase-3 activation in 6-hydroxydopamine treated SH-SY5Y cells. *Phytother Res* 2014; 28(4):611-6.
6. Khammee T, Athipornchai A, Upamaia W, **Jaisin Y** and Suksamrarn S. Synthesis of Hydroxyxanthenes and Evaluations for their Acetylcholinesterase Inhibitory and Neurotoxicity Activities. *KKU Sci J* 2014; 42(1): 212-220.
7. **Jaisin Y**, Ratanachamnong P, Prachayasittikul S, Watanapokasin R, Kuanpradit C. Protective effects of ethyl acetate extract of *Eclipta prostrata* against 6-hydroxydopamine-induced neurotoxicity in SH-SY5Y cells. *ScienceAsia*. 2016; 42: 259-65.
8. Kuanpradit C, **Jaisin Y**, Jungudomjaroen S, Akter Mitu S, Puttikamonkul S, Sobhon P, Cummins SF. Attenuation of UV-B exposure-induced inflammation by abalone hypobranchial gland and gill extracts. *Int J Mol Med*: 2017; 39(5):1083-1090.
9. **Jaisin Y**, Ratanachamnong P, Kuanpradit C, Khumpum W, Suksamrarn S. Protective effects of γ -mangostin on 6-OHDA-induced toxicity in SH-SY5Y cells. *Neurosci Letter* 2018; 665: 229-35.
10. **Jaisin Y**, Ratanachamnong P, Wongsawatkul O, Watthammawut A, Malaniyom K, Natewong S. Antioxidant and anti-inflammatory effects of piperine on UV-B-irradiated human HaCaT keratinocyte cells. *Life Sci* 2020; 263(118607): 1-9.
11. Namchaiw P, **Jaisin Y**, Niwaspragrit C, Malaniyom K, Auvuchanon A, Ratanachamnong P. The leaf extract of *Coccinia grandis* (L.) voigt accelerated in vitro wound healing by reducing oxidative stress injury. *Oxid Med Cell Longev* 2021; 3963510:1-10.
12. Vitheejongjaroen P, Praphaiphon Kanthawang P, Fabien Loison L, **Jaisin Y**, Pachekrepapol U, Taweechotipatr M. Antioxidant activity of *Bifidobacterium animalis* MSMC83 and its application in set-style probiotic yoghurt. *Food Biosci* 2021; 43(101259): 1-9.
13. Samatiwat P, Chankhonkaen P, **Jaisin Y**, Ratanachamnong P, Niwaspragrit C, Rungsiwiwut R, Dhorrarintra B. Anticancer activity of the bark extract of *Phyllanthus emblica* on cholangiocarcinoma *in vitro*. *J Basic App Pharmaco* 2021; 1(1):60-71.
14. Natewong S, ChoNiwaspragrit C, PiRatanachamnong P, Samatiwat P, Namchaiw P, **Jaisin Y**. Photo-Protective and Anti-Inflammatory Effects of *Antidesma thwaitesianum* Müll. Arg. Fruit Extract against UVB-Induced Keratinocyte Cell Damage. *Molecules* 2022; 27(15):1-15.
15. Ratanachamnong P, Chunchaowarit Y, Namchaiw P, Niwaspragrit C, Rattanacheeworn P, **Jaisin Y**. HPLC analysis and in vitro antioxidant mediated through cell migration effect of *C. hystrix* water extract on human keratinocytes and fibroblasts. *Heliyon*. 2023 Jan 24;9(2):e13068.

Review article:

1. **Jaisin Y** and Ratanachamnong P. Antioxidative stress of herbal extracts for prevention on Parkinson's disease. *Thai J Pharmacol* 2010; 32 (2):42-52
2. **Jaisin Y**. Ka-meng. *Thai J Pharmacol* 2016; 38 (2):30-47.

Oral presentation:

1. **Jaisin Y**, Suksamrarn A and Sanvarinda Y. The neuroprotective effects of compound 005 on 6-hydroxydopamine-induced toxicity in dopaminergic cell line SH-SY5Y through the attenuation of p-p53 and Bax/Bcl-2 ratio.
2. Sinchai T, Plasen S, **Jaisin Y**, Sanvarinda Y. Combination of caffeine and methamphetamine increases the levels of Cox-2 protein in the striatum of rats.
3. Jaisin Y, Ratanachamnong P, Kuanpradit C, Khumpum W, Suksamrarn S. The protective effects of γ -mangostin on 6-OHDA-induced toxicity in SH-SY5Y cells. Brain Science meeting 2018, Saga, Japan.

Poster presentation:

1. **Jaisin Y**, Thampithak A, Meesarapee B, Phivthong-ngam L, Suksamrarn A, Sanvarinda Y. Effects of pure natural compounds from *Curcuma longa* on METH (Methamphetamine) induced-neurotoxicity in SH-SY5Y cell line. Thai J Pharmacology 2008; 30: 97-101.
2. **Jaisin Y**, Thampithak A, Meesarapee B, Ratanachamnong P, Phivthong-ngam L, Suksamrarn A, Chongthammakun S, Morlares NP, Govitrapong P, Sanvarinda Y. The anti-apoptosis effect of curcumin I on bax/bcl-2 ratio against 6-OHDA induced SH-SY5Y toxicity. Thai J Pharmacology 2010; 32: 145-8.
3. Malaniyom K, Namdaung U, Suksamrarn S, Wongsawatkul O, **Jaisin Y**. Protective effects of *Artocarpus lakoocha* heartwood extract in UVB-irradiated human keratinocytes, HaCaT cells. 2018-ICBBE-BBS TOYKO, JAPAN conference, 18 -20 January, 2018
4. **Jaisin Y**, Ratanachamnong P, Malaniyom K, Suksamrarn S. Protective effect of β -mangostin against 6-OHDA-induced cytotoxicity in SH-SY5Y cells. 2018-ICBBE-BBS TOYKO, JAPAN conference, 18 -20 January, 2018.
5. Saiyudthong S, Mekseepralard C, **Jaisin Y**, Nusuetrong P. Protective effect of limonene against corticosteroid-induced neurotoxicity. 2018-ICBBE-BBS TOYKO, JAPAN conference, 18 -20 January, 2018.
6. Chunchaoarit Y, Ratanachamnong P, Niwaspragrit C, Munyanont M, **Jaisin Y**. Vitro, antioxidant properties of *Citrus hystrix* DC extract. Srinakharinwirot University Annual meeting academic conference 33rd. 13-14 June, 2019.
7. Somkiat N, Niwaspragrit C, Kittiya Malaniyom K, Ratanachamnong P, **Jaisin Y**. Protective Effect of *Phyllanthus acidus* Fruit Extract against UVB-induced Oxidative Stress in Human Keratinocytes HaCaT Cells. The 10th National Conference in Toxicology (NCT10), 28-29 October 2020.
8. Paiboonvorachart T, Niwaspragrit C, Ratanachamnong P, Malaniyom K, **Jaisin Y**. In Vitro, antioxidant properties of black pepper extract. The 42nd Pharmacological & Therapeutic Society of Thailand Meeting Faculty of Medicine, Khon Kaen University; 19-21 May 2021.
9. Chankhonkaen P, Niwaspragrit C, Paiboonvorachart T, Ratanachamnong P, **Jaisin Y**. The inhibitory effect of oxyresveratrol on no production and cox-2 protein in lps-

activated microglial cells. The 42nd Pharmacological & Therapeutic Society of Thailand Meeting Faculty of Medicine, Khon Kaen University; 19-21 May 2021.

Proceeding

1. Malaniyom K, Ratanachamnong P, Wongsawatkul O, Namdaung U, Suksamrarn, **Jaisin Y**. Photoprotective effects of oxyresveratrol isolated from heartwood of *Artocarpus lakoocha* in UVB irradiated human keratinocyte, HaCaT cells. The 40th Pharmacological and therapeutic society of Thailand meeting, 26-28 April, 2018
2. Paiboonvorachart T, Ratanachamnong P, Malaniyom K, Watthammawut A, Niwaspragrit C, **Jaisin Y**. In vitro antioxidant effect of *Prunus salicina* extract associated with its protective effect against H₂O₂-induced skin cell toxicity. The 50th national graduated research conference, 6-7 June, 2020