

ประวัติผลงาน

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ความชำนาญ งานวิจัยที่สนใจ:

- Natural antioxidants, oxidative stress, nitric oxide, endothelial cells, keratinocytes, skin fibroblasts

ผลงานตีพิมพ์:

1. Wattanapitayakul SK and Schommer JC. The human genome project: benefits and risks to society. *Drug Inform J* 1999; 33(3):729-35.
2. Wattanapitayakul SK, Weinstein DM, Holycross BJ, and Bauer JA. Endothelial dysfunction and peroxynitrite formation are early events in angiotensin-induced cardiovascular disorders. *FASEB J* 2000; 14(2):271-278.
3. Wattanapitayakul SK , Young AP, and Bauer JA. Genetic variations in nitric oxide synthase isoforms: Evidence, significance and therapeutic implications. *Pharmaceutical News* 2000;7(3) :14-20.
4. Wattanapitayakul SK and Bauer JA. Recent developments in gene therapy for cardiac disease. *Biomed Pharmacother* 2000;54(10):487-504
5. Wattanapitayakul SK and Phornchirasilp S. Risedronate: A new drug for osteoporosis and Paget's disease. *Thai J Pharmacol* 2000;22:259-271.
6. Wattanapitayakul SK and Bauer JA. Oxidative pathways in cardiovascular disease: Roles, mechanisms, and therapeutic implications. *Pharmacol Ther* 2001; 89(2):187-206.
7. Wattanapitayakul SK, Mihm MJ, Young AP, and Bauer JA. Therapeutic implications of human endothelial nitric oxide synthase gene polymorphism. *Trends Pharmacol Sci* 2001; 22(7):361-368.
8. Wattanapitayakul SK and Phornchirasilp S. Glucosamine sulfate: A structure modifying drug for osteoarthritis. *Thai J Pharmacol* 2001;23:143-151.
9. Mihm MJ, Wattanapitayakul SK, Piao S-F, Hoyt DG, Bauer JA. Effects of angiotensin II on vascular endothelial cells: formation of receptor-mediated reactive nitrogen species. *Biochem Pharmacol* 2003;65:1189-1197.
10. Wattanapitayakul SK, Chularojmontri L, Herunsalee A, Charuchongkolwongse S, Niumsakul S, Bauer JA. Screening of Antioxidants from Medicinal Plants for Cardioprotective Effect against Doxorubicin Toxicity. *Basic Clin Pharmacol Toxicol*. 2005 ;96(1):80-7.
11. Chularojmontri L, Wattanapitayakul SK, Herunsalee A, Charuchongkolwongse S, Niumsakul S, Srichairat S. Antioxidative and Cardioprotective Effect of Phyllanthus urinaria L. on doxorubicin-induced cardiotoxicity. *Biol Pharm Bull* 2005;28(7):1165-1171.
12. Wattanapitayakul SK, Chularojmontri L, Srichairat S. Effects of Pueraria mirifica on vascular function of ovariectomized rabbits. *J Med Assoc Thai* 2005; 88 (Suppl 1): S21-S29.

13. Chularojmontri L and Wattanapitayakul SK. Antioxidant Therapy in Age-related Diseases. *J Med Health Sci* 2006; 13: 169-178.
14. Wattanapitayakul SK, Maneewan Suwatronnakorn, Chularojmontri L, Herunsalee A, Niumsakul S, Chansuvanich N. Kaempferia parviflora ethanolic extract promoted nitric oxide production in human umbilical vein endothelial cells. *J Ethnopharmacol* 2007; 110: 559-562.
15. Wattanapitayakul SK, Chularojmontri L, Herunsalee A, Charuchongkolwongse S, Chansuvanich N. Vasorelaxation and antispasmodic effects of *Kaempferia parviflora* ethanolic extract in isolated rat organ studies. *Fitoterapia* 2008;79(3):214-6.
16. Chularojmontri L and Wattanapitayakul SK. Antioxidant activity, vasodilation and spasmolytic actions of *Curcuma comosa* Roxb. *Proceeding of Srinaharinwirot Academic Meeting 2008:* 17-26.
17. Chularojmontri L, Ihara Y, Muroi E, Goto S, Kondo T, Wattanapitayakul SK. Cytoprotective role of *Phyllanthus urinaria* L. and Glutathione-S transferase Pi in doxorubicin cardiotoxicity. *J Med Assoc Thai* 2009; 92 (Suppl 3): S43-51.
18. Chularojmontri L and Wattanapitayakul SK. Isolation and Characterization of Umbilical Cord Blood Hematopoietic Stem Cells. *J Med Assoc Thai* 2009; 92 (Suppl 3): S88-94.
19. Chularojmontri L, Suwatronnakorn M, Wattanapitayakul SK. Influence of capsicum extract and capsaicin on endothelial health. *J Med Assoc Thai* 2010; 93 (Suppl 2): S92-101.
20. Joshi MS, Wattanapitayakul S, Schanbacher BL, Bauer JA. Effects of human endothelial gene polymorphisms on cellular responses to hyperglycaemia: role of NOS3 (Glu298Asp) and ACE (I/D) polymorphisms. *Diab Vasc Dis Res.* 2011;8(4):276-83.
21. Sanphanya K, Wattanapitayakul SK, Prangsaengtong O, Jo M, Koizumi K, Shibahara N, Priprem A, Fokin VV, Vajragupta O. Synthesis and evaluation of 1-(substituted)-3-prop-2-ynylureas as antiangiogenic agents. *Bioorg Med Chem Lett.* 2012;22(8):3001-5.
22. Chularojmontri L, Gerdprasert O, Wattanapitayakul SK. Pummelo protects Doxorubicin-induced cardiac cell death by reducing oxidative stress, modifying glutathione transferase expression, and preventing cellular senescence. *Evid Based Complement Alternat Med* 2013;2013:254835.
23. Sanphanya K, Wattanapitayakul SK, Phowichit S, Fokin VV, Vajragupta O. Novel VEGFR-2 kinase inhibitors identified by the back-to-front approach. *Bioorg Med Chem Lett* 2013;23(10):2962-7.
24. Chularojmontri L, Suwatronnakorn M, Wattanapitayakul SK. *Phyllanthus emblica* L. Enhances Human Umbilical Vein Endothelial Wound Healing and Sprouting. *Evid Based Complement Alternat Med* 2013;2013:720728.
25. Wongpradabchai S, Chularojmontri L, Phonchirasilp S, Wattanapitayakul SK. Protective effect of *Phyllanthus emblica* fruit extract against hydrogen peroxide-induced endothelial cell death. *J Med Assoc Thai* 2013; 96 (Suppl 1): S40-8
26. Buachan P, Chularojmontri L, Wattanapitayakul SK. Selected Activities of *Citrus Maxima* Merr. Fruits on Human Endothelial Cells: Enhancing Cell Migration and Delaying Cellular Aging. *Nutrients* 2014; 6(4):1618-34.
27. Phowichit S, Kobayashi M, Fujinoya Y, Sato Y, Sanphanya K, Vajragupta O, Chularojmontri L, Wattanapitayakul SK. Antiangiogenic Effects of VH02, a Novel Urea Derivative: In Vitro and in Vivo Studies. *Molecules*. 2016 Sep 21;21(9). pii: E1258.
28. Löwenau LJ, Zoschke C, Brodwolf R, Volz P, Hausmann C, Wattanapitayakul S, Boreham A, Alexiev U, Schäfer-Korting M. Increased permeability of reconstructed human epidermis from UVB-irradiated keratinocytes. *Eur J Pharm Biopharm.* 2017; 116:149-154 Dec 27. pii: S0939-6411(16)31027-X. doi: 10.1016/j.ejpb.2016.12.017.
29. Kunchana K, Chularojmontri L, Jarisarapurn W, Sedtawong W, Wattanapitayakul SK. Extraction of Primary Human Keratinocytes and Fibroblasts from Adult Foreskin. *Thai J Pharmacol* 2017, 5-22, <http://orcid.org/0000-0002-5570-9370>.
30. Nanna U, Naowabout J, Chularojmontri L, Tingpej P, Wattanapitayakul S. Effects of *Brassica oleracea* extract on impaired glucose and lipid homeostasis in high fat diet-induced obese mice. *Asian Pac J Trop Biomed* 2019; 9(2): 80-84.
31. Jarisarapurn W, Sanrattana W, Chularojmontri L, Kunchana K, Wattanapitayakul SK. Antioxidant properties of unripe Carica papaya fruit extract and its protective effects against endothelial oxidative stress. *Evidence-Based Complementary and Alternative Medicine* 2019; 2019:4912631.

32. Wattanapitayakul SK, Chularojmontri, Schäfer-Korting M. Ultraviolet B irradiation-induced keratinocyte senescence and impaired development of 3D epidermal reconstruct. *Acta Pharmaceutica* 2021; 71(2): 293-303.
<https://doi.org/10.2478/acph-2021-0011>.
33. Kunchana K, Jarisrapurin W, Chularojmontri L, Wattanapitayakul SK. Potential Use of Amla (*Phyllanthus emblica* L.) Fruit Extract to Protect Skin Keratinocytes from Inflammation and Apoptosis after UVB Irradiation. *Antioxidants (Basel)*. 2021 Apr 29;10(5):703. doi: 10.3390/antiox10050703.
34. Chularojmontri L, Nanna U, Tingpej P, Hansakul P, Jansom C, Wattanapitayakul S, Naowaboot J. *Raphanus sativus* L. var. caudatus Extract Alleviates Impairment of Lipid and Glucose Homeostasis in Liver of High-Fat Diet-Induced Obesity and Insulin Resistance in Mice. *Prev Nutr Food Sci*. 2022 Dec 31;27(4):399-406. doi: 10.3746/pnf.2022.27.4.399. PMID: 36721756; PMCID: PMC9843712.

หนังสือ/ตำรา (Book, Book chapter)

1. สุวรา วัฒนพิทยกุล. Nitric oxide in sepsis. ใน: สมเกียรติ วัฒนศิริชัยกุล, เกศรา อัศดามงคล, มาเรียว ริกันตี, สมชาย สันติวัฒนกุล บรรณาธิการ. ภาวะติดเชื้อ: Molecular/cellular and clinical basis. กรุงเทพฯ : เม็ดทราบพริ้นติ้ง 2547: 151-60.
2. สุวรา วัฒนพิทยกุล. Intracellular Signal Transduction. ใน: สมเกียรติ วัฒนศิริชัยกุล และ ดวงฤทธิ์ วัฒนศิริชัยกุล บรรณาธิการ. ภาวะช็อก. กรุงเทพฯ. เม็ดทราบพริ้นติ้ง 2545:66-75.
3. สุวรา วัฒนพิทยกุล. Role of prostaglandin in shock. ใน : สมเกียรติ วัฒนศิริชัยกุล และ ดวงฤทธิ์ วัฒนศิริชัยกุล บรรณาธิการ. ภาวะช็อก. กรุงเทพฯ เม็ดทราบพริ้นติ้ง 2545:196-205.
4. ถินดา จุฬารัตน์มนตรี และ สุวรา วัฒนพิทยกุล. ยาสำหรับความดันโลหิตสูง. กรุงเทพฯ : โรงพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย 2558. 100 หน้า.