

# Curriculum Vitae

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2006 - present Associate Professor, Department of Pharmacology, Faculty of Medicine, Srinakharinwirot University, Bangkok,  
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**Education:**

1991 B.Sc. (Pharmacy), Mahodol University, Bangkok, Thailand  
1998 M.S. (Pharmaceutical Administration), School of Pharmacy, The Ohio State University, OH, USA  
2000 Ph.D. (Pharmacology), School of Pharmacy, The Ohio State University, OH, USA

**Areas of Research Interest:**

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

**Publications:**

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.
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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.
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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.
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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.
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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.