Curriculum Vitae

Name **Associate Professor Watchareewan Thongsaard**

Education

1997	PhD (Physiology & Pharmacology), Medical School, Queen's Medical Centre, University of Nottingham, UK
1990	MSc (Physiology) Faculty of Science, Mahidol University, Bangkok, Thailand
1998	Diploma (Natural Science), University of Cambridge, UK
1987	BSc (Biology) Chiang Mai University, Chiang Mai, Thailand

Office Department of Physiology, Faculty of Medicine, Srinakharinwirot University

Awards

1984	Outstanding Science Students Award, Science Society, Thailand
1987	Shell-Cambridge Scholarship, Shell Company, Thailand
1990	Outstanding Master Student Scholarship in Physiology, Mahidol University, Thailand
1994	Postgraduate Scholarship, University of Nottingham, UK
1995	University Teaching Staff Development Scholarship, Office of Civil Service, Thailand

Pubilications

Original articles

1. **Thongsaard W**, and Marsden CA. Effect of *Thunbergia laurifolia* Extract on Extracellular Dopamine Level in Rat Nucleus Accumbens . J Med Assoc Thai 2013; 96 (Suppl. 1): S85-S89.
2. Chanchanachitkul W, Nanthiyanu-ragsa P, Rodam-porn S, **Thongsaard W**, Charoenpong T. A rat walking behavior classification by body length measurement. The 2013 Biomedical Engineering International Conference (BMEiCON-2013)
3. Charoenpong T, Prornworn Y, Thangwiwatchinda P, Senavongse W, **Thongsaard W.** An experimental setup for measuring distance and duration of rat behavior. The 2012 Biomedical Engineering International Conference (BMEiCON-2012)

4. Deachapunya C, **Thongsaard W**, Behavioral Effects of acute and chronic oral administration of barakol in Rats. J Med Assoc Thai 2009;92 Suppl. 3S29-S37.
5. Saiyudthong S, **Thongsaard W**, Marsden CA. Acute effects of barakol and serotonergic drugs on exploratory behaviour in rats. Journal of Medicine and Health Sciences. Faculty of Medicine, Srinakharinwirot University 2005; 12(3):76-84.
6. **Thongsaard W**, Marsden CA, Morris P, Prior M and Shah YB. Effect of *Thunbergia laurifolia,* a Thai natural product used to treat drug addiction, on cerebral activity detected by functional magnetic resonance imaging in the rat. Psychopharmacology 2005; 180: 752-760.
7. Deachapunya C, **Thongsaard W**, Poonyachoti S. Barakol suppresses norepinephrine-induced inhibition of spontaneous longitudinal smooth muscle contractions in isolated rat small intestine. J Ethnopharmacol 2005;101(1-3):227-232.
8. Deachapunya C, Poonyachoti S, **Thongsaard W**, Krishnamra N. Barakol extracted from *Cassia siamea* stimulates chloride secretion in rat colon. J Pharmacol Exp Ther 2005;314(2):732-737.
9. Chanyachukul T, Yoovathaworn K, **Thongsaard W**, Chongthammakun S, Navasumrit P, Satayavivad J. Attenuation of paraquat-induced motor behavior and neurochemical disturbances by L-valine *in vivo*. Toxicology Letters 2004;150(3):259-269.
10. Maniratanachote, R, Kijsanayotin, P., Phivthong-ngam, L, **Thongsaard, W**, Niwattisaiwong, N, Lawanprasert, S. Subchronic effects of barakol on blood clinical biochemistry parameters in rats fed with normal and high cholesterol diets. Thai Journal of Pharmacology 2002; 24/2-3: 101-111.
11. **Thongsaard W** and Marsden CA. A herbal medicine used in the treatment of addiction mimics the action of amphetamine on *in vitro* rat striatal dopamine release. Neuroscience Letters 2002; 329/2: 129-132.
12. **Thongsaard W**, Chainakul, S, Bennett GW and Marsden CA. Determination of barakol extracted from *Cassia siamea* by HPLC with electrochemical detection. Journal of Pharmaceutical and Biomedical Analysis 2001; 25: 853-859.
13. **Thongsaard W**. Physiological and pharmacological properties of *Cassia siamea* and its active constituent, barakol. Thai Journal of Physiological Science 1998; 11(1): 1-26.

14. **Thongsaard W**, Kendall DA, Bennett GW, Marsden CA, Cueto SM, Romney AD, Yuping W, Walsh SW. β-carotene attenuates peroxide-induced vasoconstriction in the human placenta. Journal of the Society for Gynecologic Investigation 1997; 4(2): 64-71.
15. **Thongsaard W** and Pongsakorn S. The studies of chronic pre- and post-treatments of royal jelly on stress-induced gastric ulcers. Srinakharinwirot University Science Journal 1997; 13(2): 19-29.
16. **Thongsaard W**, Pongsakorn S, Sudsuang R, Bennett GW, Kendall DA and Marsden CA. Barakol, a natural anxiolytic, inhibits striatal dopamine release but not uptake *in vitro*. European Journal of Pharmacology 1997; 319: 157-164.
17. **Thongsaard W**, Kendall DA, Bennett GW and Marsden CA. A simple method for measuring dopamine release from rat brain slices. Journal of Pharmacological and Toxicological Methods 1997; 37: 143-148.
18. **Thongsaard W**, Deachapunya C, Pongsakorn S, Boyd EA, Bennett GW and Marsden CA. Barakol : a potential anxiolytic extracted from *Cassia siamea*. Pharmacology Biochemistry and Behaviour 1996; 53: 753-758.
19. Pongsakorn SW, **Thongsaard W** and Wetchasit P. The preventive and therapeutic studies of royal jelly on stress-induced gastric ulcers. Royal Thai Army Medical Journal 1992; 45: 121-126.
20. **Wangdee W**, Limlomwongse L and Krishnamra N. Further study on acute effect of prolactin on intestinal calcium absorption in rats. Bone and Minerals. 1991 ; 15 : 97-108.

Review literature

1. Thongsaard W. Physiological and pharmacological properties of Cassia siamea and its active constituent, barakol. Thai Journal of Physiological Science 1998; 11(1): 1-26.