



Lecturer, Dr.

Umarat SRISAWAT

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CURRICULUM VITAE

EDUCATION

Ph.D. in Physiology
Sheffield Hallam University,
UK

M.Sc. in Physiology
Mahidol University, Thailand

B.Sc. in Biology,
Khon Kaen University, Thailand

RESEARCH INTERESTS

- Obesity and body weight regulation
- Genetic and epigenetic regulation in Schizophrenia
- Renal function and ischemia-reperfusion injury
- Natural products and antioxidant activity

PUBLICATIONS

► Research publications

1. **Srisawat U**, Chatsudthipong V. The role of nitric oxide, angiotensin II and endothelin on renal function after ischemia/reperfusion in rats. Abstract publication and oral presentation in The 32nd Annual Meeting (International) of the Physiological Society of Thailand, Faculty of Medicine, Khonkhaen University. 2003; May 7-9.
2. Chatsudthipong V, **Srisawat U**. The role of nitric oxide, angiotensin II and endothelin on renal function after ischemia/reperfusion in rats. Poster Presentation in: Experimental Biology 2003, San Diego, USA. 2003; April 11-15.
3. Chatsudthipong V, **Srisawat U**. The role of nitric oxide, angiotensin II and endothelin on renal function after ischemia/reperfusion in rats. FASEB JOURNAL 2003; 17: A922-A922.
4. Chatsudthipong V, **Srisawat U**, Yangthara B. Prevention of ischemia-reperfusion induced renal injury. FASEB JOURNAL 2004; 18(4): A292-A292.
5. Chunlaratthanaphorn S, Lertprasertsuke N, **Srisawat U**, Thuppia A, Ngamjariyawat A, Suwanlikhid N, Jaijoy K. Acute and subchronic toxicity study of the water extract from root of Imperata cylindrica (Linn.) Raeusch. in rats. Songklanakarin Journal of Science and Technology. 2007; 29(1): 141-155.

► Research publications (continue)

6. Chunlaratthanaphorn S, Lertprasertsuke N, **Srisawat U**, Thuppia A, Ngamjariyawat A, Suwanlikhid N, Jaijoy K. Acute and subchronic toxicity study of the water extract from root of *Citrus aurantifolia* (Christm. et Panz.) Swingle in rats. *Songklanakarin Journal of Science and Technology*. 2007; 29(1): 125-139.
7. Chunlaratthanaphorn S, Lertprasertsuke N, **Srisawat U**, Thuppia A, Ngamjariyawat A, Suwanlikhid N, Jaijoy K. Acute and subchronic toxicity study of the water extract from dried fruits of *Piper nigrum* L. in rats. *Songklanakarin Journal of Science and Technology*. 2007; 29(1): 109-124.
8. Sireeratawong S, Lertprasertsuke N, **Srisawat U**, Thuppia A, Ngamjariyawat A, Suwanlikhid N, Jaijoy K. Acute and subchronic toxicity study of the water extract from *Tiliacora triandra* (Colebr.) Diels in rats. *Songklanakarin Journal of Science and Technology*. 2008; 30(5): 611-619.
9. Sireeratawong S, Lertprasertsuke N, **Srisawat U**, Thuppia A, Ngamjariyawat A, Suwanlikhid N, Jaijoy K. Acute and subchronic toxicity study of the water extract from root of *Sida rhombifolia* Linn. in rats. *Songklanakarin Journal of Science and Technology*. 2008; 30(6): 729-737.
10. Sireeratawong S, Lertprasertsuke N, **Srisawat U**, Thuppia A, Ngamjariyawat A, Suwanlikhid N, Jaijoy K. Acute and subchronic toxicity study of the water extract from *Harrisonia perforata* Merr. in rats. *Songklanakarin Journal of Science and Technology*. 2009; 31(1): 63-71.
11. **Srisawat U**, Panunto W, Kaendee N, Tanuchit S, Itharat A, Lerdvuthisopon N, Hansakul P. Determination of Phenolic compounds, Flavonoids, and Antioxidant activities in Water extracts of Thai red and white rice cultivars. *J Med Assoc Thai*. 2010; 93 (Suppl. 7): S83-S91.
12. Hansakul P, **Srisawat U**, Itharat A, Lerdvuthisopon N. Phenolic and Flavonoid contents of Thai rice extracts and their Correlation with Antioxidant activities using Chemical and Cell assays. *J Med Assoc Thai*. 2011; 94 (Suppl.7): S122-S130.
13. Tang H, Dalton CF, **Srisawat U**, Zhang ZJ, Reynolds GP. Methylation at a transcription factor-binding site on the 5-HT1A receptor gene correlates with negative symptom treatment response in first episode schizophrenia. *International Journal of Neuropsychopharmacology* 16 December 2013, Pages 1-5
14. **Srisawat U**, Reynolds GP, Zhang ZJ, Zhang XR, Arranz B, San L, Dalton CF. Methylenetetrahydrofolate reductase (MTHFR) 677C/T polymorphism is associated with antipsychotic-induced weight gain in first-episode schizophrenia. *Int J Neuropsychopharmacol*. 2014 Mar; 17(3):485-90.