

**Curriculum vitae**  
**Mrs wilai Rattanatayarom**

- Position status** : Associate- Professor
- Citizenship** : Thailand
- Work address** : Pharmacology Department, Faculty of Medicine  
Srinakharinwirot University  
Sukhumvit 23, Bangkok 10110 Thailand  
Tel. 02-6495386, 02-2602234-5 ext. 4804
- E-mail address** : [Wilai@swu.ac.th](mailto:Wilai@swu.ac.th), [wilai@g.swu.ac.th](mailto:wilai@g.swu.ac.th),  
[Rattanatayarom@yahoo.com](mailto:Rattanatayarom@yahoo.com)
- Education** : 1986 Bachelor's degree in Doctor of Veterinary Medicine  
from Chulalongkorn university Thailand  
: 1990 Master's degree in Master of Science (Toxicology)  
from Mahidol university Thailand  
: 1994 Doctor's degree in Doktor der Naturwissenschaften  
(Dr. rer.nat) from Hohenheim university Germany
- Position** : 1<sup>st</sup> June 1990 until now as instructor of the pharmacology  
department, faculty of medicine, Srinakharinwirot  
university  
: 17<sup>th</sup> July 1996 Assistance Professor  
: 17<sup>th</sup> January 1997-17<sup>th</sup> January 1998 Assistance head of  
department  
: 11<sup>st</sup> April 2000 – April 2002 vice-head of department  
: 11<sup>st</sup> December 2002 Associate Professor
- Scholar awards** : 1<sup>st</sup> November – 30<sup>th</sup> December 1999 the scholar from  
DAAD for research visit in Germany.  
: April - June 1996, the scholar from the Thai  
Ministry of university Affair as visiting science in  
Hohenheim university Germany, for the  
programme of electrolytes and heavy metal analysis.  
: April 1992 to January 1995, the scholar from  
DAAD for study doctoral degree in Hohenheim  
University, Germany  
: 1988 to 1990, the scholar from Mahidol university  
for study Master degree in toxicology programme  
in Mahidol university, Thailand.  
: 1983 the scholarship from Republic of China to visit  
Taiwan for learning culture and language  
: 1981-1983, the scholar from veterinary science  
faculty for the excellence on study.  
: 1981, the medallion from Trium udom school for  
the top excellent points for entrance in  
Veterinary faculty, Chulalongkorn University.
- Research interest** : Toxicology, mineral supplement, drug delivery, gene  
therapy, endocrine disrupters

## **Lecture document**

### **For bachelor's degree (power point presentation)**

- : Antidiabetic drugs
- : Drugs used in anemia and drugs affecting hemostasis
- : Gonadal hormones
- : Antihypertensive drugs
- : Glucocorticoid drugs
- : Drugs used in special population
- : Thyroid- antithyroid drugs and adrenocorticoids
- : Medical Toxicology
- : Gene therapy
- : Drugs used on pregnancy and elderly
- : Drug affecting volume and electrolytes
- : Endocrine disrupters

### **For Master's degree and doctoral's degree(power point presentation)**

- : Adverse drug reaction and Drug toxicity
- : New strategies for combating cancer
- : Genetic toxicology
- : Gene therapy
- : Laboratory animal
- : Atomic absorption spectrophotometer
- : Principle of toxicology
- : Regulatory toxicology
- : Drug delivery
- : Drug factory and GMP
- : Animal drugs
- : Development and regulation of drugs
- : Nanotoxicology

## **Book**

1. Classen HG, Speich M, Schimatschek HF, Rattanatayaron W. (1993) Functional role of magnesium in vivo. In : Magnesium 1993, eds S Golf, D Dralle and L Vecchiet, John Libbey, London, Paris, Rom : 13-30,(ISBN 0 86196 360 1)
2. Rattanatayaron W, Classen HG, Günther T. (1996) Magnesium deficiency facilitates the chemical production of diabetes mellitus. In : Current Research in Magnesium edited by MJ Halpern John Libbey & Company Limited. : 117-119.
3. Abstracts in Semina's Preclinic ( ISBN 974-596-964-8)
4. Wilai Rattanatayaron et al. (2004) Bacterial toxin In: Infectious pp44-49 ISBN 974-92320-7-0
5. Wilai rattanatayaron. (2004) Antiseptics and disinfectants In: Infectious pp 950-955 ISBN 974-92320-7-0

## **Review Article**

1. Rattanatayaron W. (1996). Magnesium. Medical Journal of Srinakharinwirot 3(1):36 – 38.
2. Rattanatayaron W. (1999). Fluoride toxicity and treatment. Medical Journal of Srinakharinwirot 6 (1) : 37 – 41.

## Research Presentation

1. Pethanakul (Rattanatayaron) W, Luengpairat K, Saitanu K. (1986). The effect of three disinfectants on the strain of pasturella multocida in duck , oral presentation and abstract on annual Thailand veterinarian congress .
2. Rattanatayaron W, Luankosolchai R, Phivthongngam L, Thamavit W, Ponsakorn SV.(1991). The study on acute toxicity of Royal Jelly, oral presentation and abstract on International conference on the Asian honey bees and bee mites in Bangkok.
3. Rattanatayaron W. (1993) General Toxicity and metabolic parameters in streptozocin-treated rats kept on low and normal dietary magnesium levels, oral presentation on 24<sup>th</sup>September 1993 at Bad Neuenahr and abstract on Magnesium-Bulletin 15 (4 ):129.
4. Rattanatayaron W, Günther T, Classen HG. (1994) Electrolyte alterations in experimental, streptozotocin-induced diabetes mellitus aggravated by magnesium deficiency, oral presentation on 5<sup>th</sup>October 1994 in VII International symposium on magnesium at Lisboa , Portugal.
5. Rattanatayaron W, Kumpee K, Classen HG.(1998) Good availability and tolerance of orally administered magnesium - L- aspartate HCl (MAH) in pregnant sows, oral presentation in 20<sup>th</sup> Magnesium-congress at Fulda Germany oral presentation on 25<sup>th</sup> September 1998.
6. Rattanatayaron W.( 1998) The effect of magnesium supplements on electrolyte distribution, lipid profile, thyroid hormone and growth of broilers. Oral presentation on 23<sup>rd</sup> December 1998 at medical faculty , Srinakharinwirot university.
7. Rattanatayaron W.(1999). The effect of magnesium supplements on thyroid hormone and growth of broilers. Poster presentation. in 21<sup>th</sup> pharmacological and therapeutic society of Thailand meeting during 25-26 th March 1999. Abstract was published in Proceeding of Thai Journal of Pharmacology vol 21, supplement 1, 1999 ISSN 0125-3832, P3 page S87.
8. Rattanatayaron W, Angkanaporn K, Classen HG.(1999) Improvement of feed conversion rate of broilers by magnesium-l- aspartate HCL (MAH) in 21<sup>th</sup> Magnesium-congress at Fulda Germany oral presentation on 17<sup>th</sup> September 1999.
9. Rattanatayaron W, Wattanasirichaiagoon S.(2004) Evaluation of dermal irritancy potential of carboxymethylchitosan hydrogel and chitin-(polyacrylic acid) hydrogel. in the 3<sup>rd</sup> International Congress of the Asia Society of toxicology at Miracle hotel Bangkok Thailand during 2<sup>nd</sup>- 6<sup>th</sup> Febuary 2004.
10. Rattanatayaron W, Rattanatayaron K, Kortheerakul K, Spaetling L, Classen HG. (2013) Pregnancy-induced hypomagnesemia in sows and the efficacy of oral magnesium supplementation. Oral presentation in 33<sup>th</sup> Symposium der Gesellschaft fuer Magnesium-forschung e.V. at Fulda Germany on Friday 20<sup>th</sup> September 2013.

## Research Publication

1. Rattanatayaron W, Classen HG, Schimatschek HF, Jensen U, Drescher B, Günther T. (1994) Increase of streptozocin toxicity by magnesium deficiency in the diabetic rat model. Arzneimittel-Forschung/Drug Research 44 (11): 1237-1241.
2. Günther T, Rattanatayaron W, Vormann J, Classen HG. (1995). Carbohydrate metabolism in Mg-sufficient and Mg-deficient rats treated with streptozotocin and insulin. Magnesium-Bulletin 17 (2) : 41-45.

3. Günther T, Rattanatarom W, Vormann J, Classen HG. (1995) Magnesium metabolism in Mg-sufficient and Mg-deficient rats treated with streptozotocin and insulin. *Magnesium-Bulletin* 17 (2): 46-51.
4. Rattanatarom W, Supaporn P. (1996). The study on acute toxicity of Royal Jelly. *Medical Journal of Srinakharinwirot* 3 (1):4 – 7.
5. Rattanatarom W, Angkanaporn K, Rattanatarom K, Nuengjamnong C, Classen HG.( 1996) The effect of magnesium supplements on electrolyte distribution and plasma lipids of broilers. *Magnesium-Bulletin* 18( 3 ): 57-62.
6. Rattanatarom W, Angkanaporn K, Classen HG.(1999) The effect of magnesium supplements on thyroxine hormone and growth of broilers. *Magnesium-Bulletin* 21(3) : 71-76.
7. Rattanatarom W, Korteerakul K, Classen HG(2000) Effects of magnesium-L-aspartate hydrochloride supplements in pregnant sows. *Magnesium-Bulletin*22(2):39-44 .
8. Rattanatarom W, Dorfmeister C, Classen UG, Schimatschek HF, Stein U, Classen HG, (2001) Magnesium deficiency induced anorexia in hyperphagic obese Zucker rats. *Mg-research, Magnesium research* 14, 3: 181-188.
9. Rattanatarom W, Wattanasirichaigoon S (2007) Evaluation of dermal irritacy of carboxymethyl-chitosan hydrogel and poly-(acrylic acid)chitin hydrogel. *Jounal of the Medical Association of Thailand* 90(4): 724-729.
10. Tiawsirisup S, Thiansirikhun K, Thanadumkerng K, Pastarapatee N, Trirattananuwong N, Rattanatarom W (2013) Antiparasitic Efficacy of 10% w/v Fipronil Spot-on (Fiproline Spot-on) against Experimental Tick (*Rhipicephalus sannguineus*) Infestations on dogs. *Thai J Vet Med* 43(2):279-284.
11. Angkanaporn K, Rattanatarom W, et. al. Effect of Betaine on back fat thickness, lipoprotein profile and amino acid digestibility in finishing pigs. *J. of physiology and animal nutrition*, will be published.