

**Dr. Saranya Poapolathep**  
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Department of Pharmacology,  
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**Position :**

Associate Professor

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**Educational Background :**

2001 : Doctor of Veterinary Medicine (D.V.M.), Kasetsart University

2010 : Ph.D. (Veterinary Pharmacology and Toxicology), University of Tokyo,  
Japan

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**Research Interests :**

- Pharmacokinetics and residues of veterinary drugs and chemicals in food-producing animals and aquaculture
  - Mycotoxicology
  - Natural products and protective agents for anticancer in experimental animals
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**Academic Position :**

2001-2002 : Veterinary Clinician, Kasetsart Veterinary Teaching Hospital

2002-2014 : Lecturer, Faculty of Veterinary Medicine, Kasetsart University

2015-2018 : Assistant professor, Faculty of Veterinary Medicine, Kasetsart  
University

2018-Present : Associate professor, Faculty of Veterinary Medicine, Kasetsart  
University

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**Research Publications**

1. Phuwapraisirisan, P., Poapolathep, A., **Poapolathep, S.** and Tip-pyang, S. 2006. In vivo oxytocin antagonistic effects of pyrrolizidine alkaloids from *Stemona* sp. and *Asparagus racemosus*. *ACGC Chemical Research Communication* 20: 17-19.
2. Poapolathep, A., **Poapolathep, S.**, Imsilp, K., Wannapat, N., klangkaew, N., Kusutjarit, N. and Kumagai, S. 2008. Distribution and residue depletion of oxytetracycline in giant freshwater prawn (*Macrobrachium rosenbergii*). *Journal of Food Protection*. 71(4): 870-873.
3. Poapolathep, A., **Poapolathep, S.**, Sugita-Konishi, Y., Imsilp, K., Tassanawat, T., Sintusing, C. and Kumagai, S. 2008. Fate of fusarenon-X in broilers and ducks. *Poultry Science*. 87(8): 1510-1515.

4. Poapolathep, A., **Poapolathep, S.**, Klangkaew, N., Sugita-Konishi, Y. and Kumagai, S. 2008. Detection of deoxynivalenol contamination in wheat products in Thailand. *Journal of Food Protection*. 71(9): 1931-1933.
5. Poapolathep, A., **Poapolathep, S.**, Jermnak, U., Imsilp, K., Wannapat, N., SugitaKonishi, Y. and Kumagai, S. 2008. Muscle tissue kinetics of oxytetracycline following intramuscular and oral administration at two dosages to giant freshwater prawn (*Macrobrachium rosenbergii*). *Journal of Veterinary Pharmacology and Therapeutics*.31(6): 517-522.
6. Poapolathep, A., **Poapolathep, S.**, Machii, K., Nakayama, H. and Kumagai, S. 2009.The effects of curcumin as a chemoprotective agent against aflatoxin B1 induced toxicity in rats. *Toxicology Letters*. 189S: 134-135.
7. Hantrakul, S., Klangkaew, N., Kunakornsawat, S., Tansatit, T., Poapolathep A., Kumagai, S., **Poapolathep, S.**2014. Clinical pharmacokinetics and effects of vincristine sulfate in dogs with transmissible venereal tumor (TVT). *The Journal of Veterinary Medical Science*, 76, 1549-1553.
8. Saengtienchai, T., **Poapolathep, S.**, Isariyodom, S., Ikenaka, Y., Ishizuka, M., Poapolathep, A. 2014. Toxicokinetics and tissue depletion of Fusarenon-X and its metabolite nivalenol in piglet. *Food and Chemical Toxicology*, 66, 307-312.
9. **Poapolathep, S.**, Klangkaew, N., Arreesrisom, P., Isariyodom, S., Sugita-Konishi, Y., Kumagai, S., Poapolathep, A. (2015). Toxicokinetics and absolute oral bioavailability of melamine in broiler chickens. *Journal of Veterinary Pharmacology and Therapeutics*, 38, 101-104.
10. **Poapolathep, S.**, Imsilp, K., Tanhan, P., Isariyodom, S., Kumagai, S., Poapolathep, A. 2015.The fate and tissue depletion of melamine in ducks. *The Journal of Veterinary Medical Science*, 77, 1151-1155.
11. Aupanun, S., **Poapolathep, S.**, Imsilp, K., Prapong, T., Poapolathep, A. 2015. Oral exposure of fusarenon-X induced apoptosis in Peyer's patches, thymus, and spleen of mice. *Research in Veterinary Sciences*, 102, 217-222.
12. Poapolathep, A., Buranatragoon, K., Pralatnet, S., **Poapolathep, S.**, Isariyodom, S., Jermnak, U., Imsilp, K., Tanhan, P., Klangkaew, N. 2015. Fate and tissue disposition of deoxynivalenol and zearalenone in broilers. *Journal of Veterinary Pharmacology and Therapeutics*, 38 (Suppl. 1).
13. **Poapolathep, S.**, Imsilp, K., Machii, K., Kumagai, S., Poapolathep, A. 2015. The effects of curcumin on aflatoxin B1-induced toxicity in rats. *Biocontrol Sciences*, 20, 171-177.
14. Suknikom, P., Jermnak, U., **Poapolathep, S.**, Isariyodom, S., Giorgi, M., Kumagai, S., Poapolathep, A. 2016. Dispositions and tissue depletion of melamine in ducks. *Journal of Veterinary Pharmacology and Therapeutics*, 39, 90-94.
15. Sinphithakkul, P., Klangkaew, N., Sanyathitiseree, P., Giorgi, M., Kumagai, S., Poapolathep, A., **Poapolathep, S.** 2016. Pharmacokinetics of amoxicillin trihydrate in male Asian elephants (*Elephas maximus*) following intramuscular administration. *Journal of Veterinary Pharmacology and Therapeutics*, 39, 287-291.
16. Kongkapan, J., **Poapolathep, S.**, Isariyodom, S., Kumagai, S., Poapolathep, A. 2016. Simultaneous detection of multiple mycotoxins in broiler feeds using a liquid chromatography tandem-mass spectrometry. *The Journal of Veterinary Medical Science*, 78, 259-264.
17. Ruennarong, N., Wongpanit, K., Sakulthaew, C., Giorgi, M., Kumagai, S., Poapolathep, A., **Poapolathep, S.** 2016. Dispositions of enrofloxacin and its major

- metabolite ciprofloxacin in Thai swamp buffaloes. *The Journal of Veterinary Medical Science*, 78, 397-403.
18. Kongkapan, J., Giorgi, M., **Poapolathep, S.**, Isariyodom, S., Poapolathep, A. 2016. Toxicokinetics and tissues distribution of nivalenol in broiler chickens. *Toxicon*, 111, 31-36.
  19. Ketyam, B., Imsilp, K., Poapolathep, A., **Poapolathep, S.**, Jermnak, U., Phaochoosak, N., Tanhan, P. 2016. Health risk associated with the consumption of duck egg containing endosulfan residues. *Environmental Monitoring and Assessment*, 188, 270.
  20. Praletnet, S., **Poapolathep, S.**, Giorgi, M., Imsilp, K., Kumagai, S., Poapolathep, A. 2016. Survey of Deoxynivalenol and Aflatoxin B1 in Instant Noodles and Bread Consumed in Thailand by Using Liquid Chromatography-Tandem Mass Spectrometry. *Journal of Food Protection*. 79: 1269-1272.
  21. **Poapolathep, S.**, Giorgi, M., Hantrakul, S., Klangkaew, N., Sanyathitiseree, P., Poapolathep, A. 2017. Pharmacokinetics of marbofloxacin in freshwater crocodiles (*Crocodylus siameinsis*) after intramuscular and intravenous administration. *Journal of Veterinary Pharmacology and Therapeutics*. 40 (1), pp. 57-61.
  22. Puangkham, S., Poapolathep, A., Jermnak, U., Imsilp, K., Tanhan, P., Chokejaroenrat, C., **Poapolathep, S.** 2017. Monitoring and health risk of mycotoxins in imported wines and beers consumed in Thailand. *World Mycotoxin Journal*, 10 (4), pp. 401-409.
  23. Ruennarong, N., Wongpanit, K., Sakulthaew, C., Giorgi, M., Klangkaew, N., Poapolathep, A., **Poapolathep, S.** 2017. Pharmacokinetics of amoxicillin trihydrate in Thai swamp buffaloes (*Bubalus bubalis*): a pilot study. *Journal of Veterinary Pharmacology and Therapeutics*. 40 (2), pp. 200-202.
  24. **Poapolathep, S.**, Wongpanit, K., Imsilp, K., Tanhan, P., Klangkaew, N., Giorgi, M., Poapolathep, A. 2017. Disposition of a long-acting oxytetracycline formulation in Thai swamp buffaloes (*Bubalus bubalis*). *Journal of Veterinary Pharmacology and Therapeutics*, 40 (2), pp. 206-209.
  25. Jantapan, K., Poapolathep, A., Imsilp, K., **Poapolathep, S.**, Tanhan, P., Kumagai, S., Jermnak, U. 2017. Inhibitory effects of Thai essential oils on potentially aflatoxigenic *Aspergillus parasiticus* and *Aspergillus flavus*. *Biocontrol Science*, 22 (1), pp. 31-40.
  26. Khidkhan, K., Imsilp, K., Poapolathep, A., **Poapolathep, S.**, Tanhan, P. 2017. Potential human health risk from consumption of metallic elements-contaminated benthic mollusks from Don Hoi Lot sandbar, Thailand. *Science of the Total Environment*, 584585, pp. 1239-1247.
  27. Aupanun, S., **Poapolathep, S.**, Giorgi, M., Imsilp, K., Poapolathep, A. 2017. An overview of the toxicology and toxicokinetics of fusarenon-X, a type B trichothecene mycotoxin. *Journal of Veterinary Medical Science*, 79 (1), pp. 6-13.
  28. **Poapolathep, S.**, Tanhan, P., Piasai, O., Imsilp, K., Hajslova, J., Giorgi, M., Kumagai, S., Poapolathep, A. 2017. Occurrence and health risk of patulin and pyrethroids in fruit juices consumed in Bangkok, Thailand. *Journal of Food Protection*, 80 (9), pp. 14151421.
  29. Poapolathep, A., Giorgi, M., Toutain, P.L., **Poapolathep, S.**, Imsilp, K., Sakulthaew, C., Wannapat, N., Klangkaew, N. 2017. Sulfadimethoxine in giant freshwater prawns (*Macrobrachium rosenbergii*): an attempt to estimate the withdrawal time by a population pharmacokinetic approach. *Journal of Veterinary Pharmacology and Therapeutics*, 40 (5), pp. 476-485.

30. Poapolathep, A., **Poapolathep, S.**, Sinphithakkul, P., Imsilp, K., Isariyodom, S., Jermnak, U., Tanhan, P., Owen, H., Giorgi, M. 2017. Fate and tissue depletion of nivalenol in ducks. *Japanese Journal of Veterinary Research*, 65 (4), pp. 185-192.
31. Sakulthaew, C., Chokejaroenrat, C., Poapolathep, A., Satapanajaru, T., **Poapolathep, S.** 2017. Hexavalent chromium adsorption from aqueous solution using carbon nanooxions (CNOs). *Chemosphere*, 184, pp. 1168-1174.
32. Phruksawan, W., **Poapolathep, S.**, Giorgi, M., Imsilp, K., Sakulthaew, C., Owen, H., Poapolathep, A. 2018. Toxicokinetic profile of fusarenon-X and its metabolite nivalenol in the goat (*Capra hircus*). *Toxicon*, 153, pp. 78-84.
33. Susakate, S., **Poapolathep, S.**, Chokejaroenrat, C., Tanhan, P., Hajslova, J., Giorgi, M., Saimek, K., Zhang, Z., Poapolathep, A. 2019. Multiclass analysis of antimicrobial drugs in shrimp muscle by ultrahigh performance liquid chromatography-tandem mass spectrometry. *Journal of Food and Drug Analysis*, 27 (1), pp. 118-134.
34. Mapongpeng, R., Laovechprasit, W., Poapolathep, A., Giorgi, M., Junchompoo, C., Sakulthaew, C., Jermnak, U., Passadurak, W., **Poapolathep, S.** 2019. Pharmacokinetics of ceftriaxone in Green sea turtles (*Chelonia mydas*) following intravenous and intramuscular administration at two dosages. *Journal of Veterinary Pharmacology and Therapeutics*, 42 (1), pp. 104-110.
35. Sinphithakkul, P., Poapolathep, A., Klangkaew, N., Imsilp, K., Logrieco, A.F., Zhang, Z. Poapolathep, S. 2019. Multiple-Mycotoxin Occurrence in Various Types of Rice and Barley Samples in Thailand. *Journal of Food Protection*. 82: 1007-1015.
36. Aupanun, S., **Poapolathep, S.**, Phuektes, P., Giorgi, M., Zhang, Z., Oswald, I.P., Poapolathep, A. 2019. Individual and combined mycotoxins deoxynivalenol, nivalenol, and fusarenon-X induced apoptosis in lymphoid tissues of mice after oral exposure. *Toxicon*, 165, 83-94.
37. **Poapolathep, S.**, Klangkaew, N., Phaochoosak, N., Wongwaipairote, T., Giorgi, M., Chaiyabutr, N., Trott, D., Poapolathep, A. 2020. Pharmacokinetics of a long-acting formulation of oxytetracycline in freshwater crocodiles (*Crocodylus siamensis*) after intramuscular administration at three different dosages. *Animals*, 10, 1281.
38. **Poapolathep, S.**, Giorgi, M., Chaiyabutr, N., Chokejaroenrat, C., Klangkaew, N., Phaochoosak, N., Wongwaipairote, T., Poapolathep, A. 2020. Pharmacokinetics of enrofloxacin and its metabolite ciprofloxacin in freshwater crocodiles (*Crocodylus siamensis*) after intravenous and intramuscular administration. *Journal of Veterinary Pharmacology and Therapeutics*, 43, 19-25.
39. **Poapolathep, S.**, Giorgi, M., Chaiyabutr, N., Klangkaew, N., Phaochoosak, N., Wongwaipairote, T., Poapolathep, A. 2020. Pharmacokinetics of ceftriaxone in freshwater crocodiles (*Crocodylus siamensis*) after intramuscular administration at two dosages. *Journal of Veterinary Pharmacology and Therapeutics*, 43, 141-146.
40. **Poapolathep, S.**, Laovechprasit, W., Giorgi, M., Monanunsap, S., Klangkaew, N., Phaochoosak, N., Kongchandee, P., Poapolathep, A. 2020. Pharmacokinetics of marbofloxacin in Green sea turtles (*Chelonia mydas*) following intravenous and intramuscular administration at two dosage rates. *Journal of Veterinary Pharmacology and Therapeutics*, 43, 215-211.
41. **Poapolathep, S.**, Giorgi, M., Klangkaew, N., Phaochoosak, N., Chaiyabutr, N., Wongwaipairoj, T., Poapolathep, A. 2020. Pharmacokinetic profiles of amoxicillin trihydrate in freshwater crocodiles (*Crocodylus siamensis*) after intramuscular

- administration at two doses. *Journal of Veterinary Pharmacology and Therapeutics*, 43, 307-312.
42. Jermnak, U., Yurayart, C., Poapolathep, A., **Poapolathep, S.**, Imsilp, K., Tanhan, P., Limsivilai, O. 2020. Evaluation of aflatoxin concentrations and occurrence of potentially toxigenic fungi in imported chia seeds consumed in Thailand. *Journal of Food Protection*, 83, 497-502.
43. Tanhan, P., Apipongrattanasuk, N., Poapolathep, A., **Poapolathep, S.**, Kruatrachue, M., Imsilp, K. 2020. Heavy metal concentrations in duck eggs and potential human health risk via consumption. *Japanese Journal of Veterinary Research*, 68, 21-33.
44. Raweewan, N., Laovechprasit, W., Giorgi, M., Chomcheun, T., Klangkaew, N., Imsilp, K., Poapolathep, A., **Poapolathep, S.** 2020. Pharmacokinetics of tolfenamic acid in Hawksbill turtles (*Eretmochelys imbricata*) after single intravenous and intramuscular administration. *Journal of Veterinary Pharmacology and Therapeutics*, 43, 135-140.
45. Nualkaw, K., **Poapolathep, S.**, Zhang, Z., Zhang, Q., Giorgi, M., Li, P., Logrieco, A.F., Poapolathep, A. 2020. Simultaneous determination of multiple mycotoxins in swine, poultry and dairy feeds using ultra high performance liquid chromatography-tandem mass spectrometry. *Toxins*, 12 (4), art. no. 253.
46. Pongpraket, M., Poapolathep, A., Wongpanit, K., Tanhan, P., Giorgi, M., Zhang, Z., Li, P., **Poapolathep, S.** 2020. Exposure assessment of multiple mycotoxins in black and white sesame seeds consumed in Thailand. *Journal of Food Protection*, 83, 1198-1207.
47. Raweewan, N., Chomcheun, T., Laovechprasit, W., Jongkolpath, O., Klangkaew, N., Phaochoosak, N., Giorgi, M., Poapolathep, A., **Poapolathep, S.** 2020. Pharmacokinetics of tolfenamic acid in green sea turtles (*Chelonia mydas*) after intravenous and intramuscular administration. *Journal of Veterinary Pharmacology and Therapeutics*, *Article in Press*.
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