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Department of Pharmacology,  
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**Position :**

- Associate Professor
  - President, Association of Mycotoxicology, Thailand
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**Educational Background :**

- 1995 : Doctor of Veterinary Medicine (DVM.), Kasetsart University
  - 2003 : Ph.D. Veterinary Medical Science (Veterinary Toxicology and Pharmacology), The University of Tokyo, Japan
  - 2008 : Postdoctoral Fellow (Mycotoxins and drug residues), The University of Tokyo, Japan
  - 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 :**

- Toxicokinetics, residues and mechanisms of mycotoxins in food chains
  - Pharmacokinetics and residues of veterinary drugs and chemicals in food-producing animals and aquaculture
  - Molecular biotechnology in mycotoxicology and Toxicology
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**Academic Position :**

- 1996-1999 : Lecturer, Faculty of Veterinary Medicine, Kasetsart University
  - 1999-2006 : Assistant Professor, Faculty of Veterinary Medicine, Kasetsart University
  - 2006-present : Associate Professor, Faculty of Veterinary Medicine, Kasetsart University
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**Administrative position :**

- 2005 – 2006 : Head Deputy, Department of Pharmacology, Faculty of Veterinary Medicine, Kasetsart University
  - 2008 – 2011 : Head, Department of Pharmacology, Faculty of veterinary Medicine, Kasetsart University
  - 2011 – 2013 : Vice Dean for Administration, Faculty of Veterinary Medicine, Kasetsart University
  - 2016 – present : Founder & President, The Association of Mycotoxicology, Thailand
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## International Publications :

1. **Poapolathep, A.**, Klangkaew, N. and Phaochoosak, N. 2000. A study of the pharmacokinetic behaviors and withdrawal times of sulfamonomethoxine, sulfadiazine and sulfamethazine in healthy ducks. *J. ISSAS*. 6:15-22.
2. **Poapolathep, A.**, Suzuki, K., Katayama K., Ohtsuka, R., Nagata, T., Uetsuka K., Nakayama, H. and Doi. K. 2001. Development of apoptosis and changes in apoptosis-related genes expression in the thymus of nivalenol-treated mice. *Journal of Toxicologic Pathology*. 14:299-304.
3. Maruyama, S., Sakai, T., Morita, Y., Tanaka, S., Kabeya, h., **Poapolathep, A.**, Chalarmchaikit, T., Chang, C., Kasten, R., Chomel, B. and Katsube, Y. 2001. Prevalence of Bartonella species and 16S rRNA gene types of Bartonella henselae from domestic cats in Thailand. *American Journal of Tropical Medicine and Hygiene*. 65:783-787.
4. **Poapolathep, A.**, Limpoka, M., Klangkaew, N., Tansakul N., Phaochoosak, N. and Passadurak, W. 2002. Pharmacokinetics and withdrawal times of penicillin-G in ducks by Microbiological assay. *J. ISSAS*. 7: 9-16.
5. **Poapolathep, A.**, Ohtsuka, R., Kiatipattanssakul, W., Ishigami, N., Nakayama, H. and Doi, K. 2002. Nivalenol-induced apoptosis in thymus, spleen and Peyer's patches of mice. *Experimental and Toxicologic Pathology*.53:441-446.
6. **Poapolathep, A.**, Sugita-Konishi, Y., Doi, K. and Kumagai, S. 2003. The fates of trichothecene mycotoxins, nivalenol and fusarenon-X, in mice. *Toxicon*. 41:1047-1054.
7. **Poapolathep, A.**, Nagata, T., Suzuki, h., Kumagai, S. and Doi, K. 2003. Development of early apoptosis and changes in lymphocyte subsets in lymphoid organs of mice orally inoculated with nivalenol. *Experimental and Molecular Pathology*. 75:74-79.
8. **Poapolathep, A.**, Nagata, T. Sugita-Konishi, Y., Doi, K. and Kumagai, S. 2003. Changes in lymphocyte subsets and apoptosis in lymphoid tissues of nivalenol-treated mice. *Tox.. Sci*. 72(S-1), p 359.
9. Limpoka, M., Sangrungrueng, K., **Poapolathep, A.**, Chai-Anan, P., Klangkaew, N. and Paochoosak, N. 2003. Disposition and residues of flumequine in black tiger shrimp (*Penaeus monodon*). *Journal of Veterinary Pharmacology and Therapeutics* (Suppl. 1) p218.
10. **Poapolathep, A.**, Kumagai, S. and Doi, K. 2003. Nivalenol-induced changes in apoptosis-related genes expression and lymphocyte subsets in lymphoid tissues and mouse thymocyte primary cultures. Proceeding of the International Symposium of Mycotoxicology in Kagawa, 2003 (ISMYCO Kagawa'03), November 3-5, 2003. pp 263-275.
11. **Poapolathep, A.**, Suzuki, H., Kumagai, S. and Doi, K. 2004. Development of early apoptosis and changes in lymphocyte subsets in mouse thymocyte primary cultures treated with nivalenol. *Experimental and Molecular Pathology*. 77: 149-152.
12. **Poapolathep, A.**, Sugita-Konishi, Y., Doi, K. and Kumagai, S. 2004. Placental and milk transmission of 3H-nivalenol and –fusarenonX in mice. *Toxicon*. 44: 111-113.
13. **Poapolathep, A.**, Singhasem, S., Noonpugdee, Ch., Sugita-Konishi, Y., Doi, K. and Kumagai, S. 2004. The fate and transmission of fusarenon-X (FX), a trichothecene mycotoxin, in mice. *Toxicol. App. Pharmacol*. 197(3): 367.

14. 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 Chem. Res. Comm.* 20: 17-19.
15. **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.
16. **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.
17. **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.
18. **Poapolathep, A.**, Poapolathep, S., Jermnak, U., Imsilp, K., Wannapat, N., Sugita-Konishi, 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.
19. Sugita-Konishi, Y., Kubosaki, A., Sugiyama, K., **Poapolathep, A.** and Kumagai, S. 2008. Effects of T2 toxin on hepatic drug metabolizing enzymes and the binding activity of aflatoxin B1 to DNA in rats. *Tox. Sci.* 102(S-1), p 100.
20. **Poapolathep, A.**, Poapolathep, S., Imsilp, K., Tassanawat, T., Sinthusing, C. and Klangkaew, N. 2008. Fate and dispositions of oxytetracycline in Thai native chickens following intravenous and intramuscular injection. Proceeding of the 15th Congress of the Federation of Asian Veterinary Associations, Bangkok, Thailand. pp 53-54.
21. Klangkaew, N., **Poapolathep, A.**, Imsilp, K., Wannapat, N. and Pattanatanang, K. 2008. Study on pharmacokinetics of oxytetracycline in hemolymph of giant freshwater prawns (*Macrobrachium rosenbergii*) using a Microbiological Assay. Proceeding of the 15th Congress of the Federation of Asian Veterinary Associations, Bangkok, Thailand. pp 59-60.
22. **Poapolathep, A.**, Poapolathep, S., Jermnak, U., Chareonsan, A. and Sukasem, T. 2008. Absorption and dispositions of enrofloxacin in hemolymph of giant freshwater prawns (*Macrobrachium rosenbergii*). Proceeding of the 15th Congress of the Federation of Asian Veterinary Associations, Bangkok, Thailand. pp 61-62.
23. **Poapolathep, A.**, Jermnak, U., Chareonsan, A., Sakulthaew, C., Klangkaew, N., Sukasem, T. and Kumagai, S. 2009. Dispositions and residue depletion of enrofloxacin and its metabolite ciprofloxacin in muscle tissue of giant freshwater prawn. *Journal of Veterinary Pharmacology and Therapeutics.* 32(3): 229-234.
24. **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.
25. Jermnak U, Chinaphuti A, **Poapolathep A**, Kawai R, Nagasawa H, Sakuda S. 2013. Prevention of aflatoxin contamination by a soil bacterium of *Stenotrophomonas* sp. that produces aflatoxin production inhibitors. *Microbiology.* 159(Pt 5):902-12
26. 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 piglets. *Food and Chemical Toxicology,* 66: 307-312.

27. Poapolathep, S., Klangkaew, N., Arreesrisom, P., Isariyodom, S., Sugita-Konishi, Y., Kumagai, S., **Poapolathep, A.** 2014. Toxicokinetics and absolute oral bioavailability of melamine in broiler chickens. *Journal of Veterinary Pharmacology and Therapeutics*. 38: 101-104.
28. 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). *Journal of Veterinary Medical Science* 76: 1549-1553.
29. Saengtienchai A, Ikenaka Y, Nakayama SM, Mizukawa H, Kakehi M, Bortey-Sam N, Darwish WS, Tsubota T, Terasaki M, **Poapolathep A**, Ishizuka M. 2014. Identification of interspecific differences in phase II reactions: determination of metabolites in the urine of 16 mammalian species exposed to environmental pyrene. *Environmental Toxicology and Chemistry*. 33(9): 2062-9.
30. Mongkon W, **Poapolathep A**, Kumagai S, Suriyasathaporn W. 2014. Use of blue-greenish yellow fluorescence test on feeds and its association with aflatoxin M1 contamination in bulk tank milk. *Journal of Food Protection*. 77(2): 284-91.
31. 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(1): 101-4.
32. 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 Science*. 102(10): 217-222.
33. Buranatragoon K, Poapolathep S, Isariyodom S, Imsilp K, Klangkaew N, **Poapolathep A.** 2015. Disposition and tissue residue of zearalenone and its metabolites  $\alpha$ -zearalenol and  $\beta$ -zearalenol in broilers. *Toxicology Report*. 2: 351-356.
34. Giorgi M, Laus F, de Vito V, Owen H, **Poapolathep A**, Paggi E, Vullo C. 2015. Flupirtine: Preliminary pharmacokinetics in the donkey. *Journal of Equine Veterinary Science*. 35(4): 309-314.
35. Giorgi M, Laus F, de Vito V, Owen H, **Poapolathep A**, Vullo C. 2015. Flupirtine: intravenous and oral administration pharmacokinetics in the donkey. *Journal of Veterinary Pharmacology and Therapeutics*. 38 (Suppl. 1): 94-95.
36. Giorgi M, de Vito V, **Poapolathep A**, Rychshanova R, Sgorbini M, Owen H. 2015. Flupirtine: pharmacokinetics and disposition in the horse. *Journal of Veterinary Pharmacology and Therapeutics*. 38 (Suppl. 1): 7-8.
37. **Poapolathep A**, Buranatragoon S, Pralatnet S, Poapolathep S, Isariyodom S, Jermnak U, Imsilk 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): 38-39.
38. 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 Science*. 102(10): 217-222.
39. Buranatragoon, K., **Poapolathep, A.**, Isariyodom, S., Imsilp, K., Klangkaew, N. & **Poapolathep, A.** 2015. Disposition and tissue residue of zearalenone and its metabolites  $\alpha$ -zearalenol and  $\beta$ -zearalenol in broilers. *Toxicology Report*. 2: 351-356.
40. Giorgi, M., Laus, F., de Vito, V., Owen, H., **Poapolathep, A.**, Paggi, E. & Vullo, C. 2015. Flupirtine: Preliminary pharmacokinetics in the donkey. *Journal of Equine Veterinary Science*. 35(4): 309-314.

41. Poapolathep, S., Imsilp, K., Machii, K., Kumagai, S. & **Poapolathep, A.** 2015. The effects of curcuminon aflatoxin B1-induced toxicity in rats. *Biocontrol Science*. 20: 171-177.
42. 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 (1): 101-104.
43. Pralatnet, S., Poapolathep, S., Imsilp, K., Tanhan, P., Isariyodom, S., Kumagai, S. & **Poapolathep A.** 2015. The fate and tissue disposition of deoxynivalenol in broiler chickens. *Journal of Veterinary Medical Science*. 77(9): 1151-1155.
44. Aupanun, S., Phuektes, P., Poapolathep, S., Sutjarit, S., Giorgi, M. & **Poapolathep, A.** 2016. Apoptosis and gene expression in Jurkat human T cells and lymphoid tissues of fusarenon-X-treated mice. *Toxicon*. 123: 15-24.
45. 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. *Journal of Veterinary Medical Science*. 78: 259-264.
46. Kongkapan, J., **Poapolathep, A.**, Owen, H. & Giorgi, M. 2016. A brief overview of our current understanding of nivalenol: A growing potential danger yet to be fully investigated. *Israel Journal of Veterinary Medicine*. 71: 3-9.
47. Kongkapan, J., Giorgi, M., Poapolathep, S., Isariyodom, S. & **Poapolathep, A.** 2016. Toxicokinetics and tissue distribution of nivalenol in broiler chickens. *Toxicon*. 111:31-36.
48. Pralatnet, 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.
49. 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. *Journal of Veterinary Medical Science*. 78: 397-403.
50. 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.
51. 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.
52. Sutjarit, S. & **Poapolathep, A.** 2016. Fusarenon-X-induced apoptosis in the liver, kidney, and spleen of mice. *Journal of Toxicologic Pathology*. 29: 207-211.
53. De Vito, V., Saba, A., Lee, H.K., **Poapolathep, A.** & Giorgi, M. 2016. Detection and quantification of the selective EP4 receptor antagonist CJ (grapiprant) in canine plasma by HPLC with spectrofluorimetric detection. *Journal of Pharmaceutical and Biomedical Analysis*. 118: 251-258
54. Giorgi, M., De Vito, V., **Poapolathep, A.**, Rychshanova, R., Sgorbini, M. & Owen, H. 2016. Pharmacokinetics and disposition of flupirtine in the horse. *Veterinary Journal*. 208: 76-80.

55. 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. *Environment Monitoring and Assessment*. 188: 270-276.
56. Aupanun, S., Laus, F., **Poapolathep, A.**, Owen, H., Vullo, C., Faillace, V. & Giorgi, M. 2016. Pharmacokinetic assessment of the marker active metabolites 4-methylamino-antipyrine and 4-acetylamino-antipyrine after intravenous and intramuscular injection of metamizole (Dipyrone) in healthy donkeys. *Journal of Equine Veterinary Science*. 47: 55-61.
57. 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*. 584-585: 1239-1247.
58. 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: 200-202.
59. 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: 206-209.
60. Giorgi, M., Aupanun, S., Lee, H-K., **Poapolathep, A.**, Rychshanova, R., Vullo, C., Faillace, V. & Laus, F. 2017. Pharmacokinetic profiles of the active metamizole metabolites in healthy horses. *Journal of Veterinary Pharmacology and Therapeutics*. 40: 165-171.
61. 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: 6-13.
62. Poapolathep, S., Giorgi, M., Hantrakul, S., Klangkaew, N., Sanyathitiseree, P. & **Poapolathep, A.** Pharmacokinetics of marbofloxacin in freshwater crocodiles (*Crocodylus siamensis*) after intravenous and intramuscular administration. *Journal of Veterinary Pharmacology and Therapeutics*. 40: 57-61.
63. De Vito, V., Salvadori, M., **Poapolathep, A.**, Owen, H., Rychshanova, R., & Giorgi, M. 2017. Pharmacokinetic/pharmacodynamic evaluation of grapiprant in a carrageenan-induced inflammatory pain model in the rabbit. *Journal of Veterinary Pharmacology and Therapeutics*. 40: 468-475.
64. **Poapolathep, A.**, Giorgi, M., Toutain, P.L., Poapolathep, S., Imsilp, K., Sakulthaew, 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: 476-485.
65. 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: 1415-1421.
66. Virginia, D.V., Owen, H., **Poapolathep, A.** & Giorgi, M. 2017. Natural substances as new potential strategies for the treatment of Leishmaniosis in Dogs. *American Journal of Animal and Veterinary Sciences*. 12: 169-175.

67. Puangkham, S., **Poapolathep, A.**, Jermkak, U., Imsilp, K., Tanhan, P., Chokeyaroenrat, C. & **Poapolathep, A.** 2017. Monitoring and health risk of mycotoxins in imported wines and beers consumed in Thailand. *World Mycotoxin Journal*. 10: 401-409.
68. Sakulthaew, C., Chokeyaroenrat, C., **Poapolathep, A.**, Satapanajaru, T. & Poapolathep, S. 2017. Hexavalent chromium adsorption from aqueous solution using carbon nano-onions (CNOs). *Chemosphere*. 184:1168-1174.
69. Jantapan, K., **Poapolathep, A.**, Imsilp, K., Poapolathep, S., Tanhan, P., Kumagai, S. and Jermnak, U. 2017. Inhibitory effects of Thai essential oils on potentially aflatoxigenic *Aspergillus parasiticus* and *Aspergillus flavus*. *Biocontrol Science*. 22: 31-40.
70. **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: 185-192.
71. Lebkowska-Wieruszewska, B., De Vito, V., Owen, H., **Poapolathep, A.** & Giorgi, M. 2016. Pharmacokinetics of grapiprant, a selective EP4 prostaglandin PGE2 receptor antagonist, after 2 mg/kg oral and i.v. administration in cats. *Journal of Veterinary Pharmacology and Therapeutics*. 40: 11-15.
72. Li, G., Wang, D., Zhou, A., Sun, Y., Zhang, Q., **Poapolathep, A.**, Zhang, L., Fan, Z, Zhang, Z. & Li, P. 2018. Rapid, on-site, ultrasensitive melamine quantitation method for protein beverages using timeresolved fluorescence detection paper. *Journal of Agricultural and Food Chemistry*. 66: 5671-5676.
73. Giorgi, M., Lebkowska-Wieruszewska, B., Lisowski, A., Owen, H., **Poapolathep, A.**, Kim, T.W. & De Vito, V. 2018. Pharmacokinetic profiles of the active metamizole metabolites after four different routes of administration in healthy dogs. *Journal of Veterinary Pharmacology and Therapeutics*. 41, 428-436.
74. Lebkowska-Wieruszewska, B., Kim, T.W., Chea, B., Owen, H., **Poapolathep, A.** & Giorgi, M. 2018. Pharmacokinetic profiles of two major active metabolites of metamizole (dipyrone) in cats following three different routes of administration. *Journal of Veterinary Pharmacology and Therapeutics*. 41: 334-339.
75. Logrieco, A.F., Miller, J.D., Eskola, M., Krska, R., Ayalew, A., Bandyopadhyay, R., Battilani, P., Bhatnagar, D., Chulze, S., De Saeger, S., Li, P., Perrone, G., **Poapolathep, A.**, Rahayu, E.S., Shephard, G.S., Stepman, F., Zhang, H. & Leslie, J.F. 2018. The mycotoxin charter: Increasing awareness of, and concerted action for, minimizing mycotoxin exposure. *Toxins*. 10: 149
76. De Vito, V., Owen, H., Marzoni, M., Kim, T.W. **Poapolathep, A.** & Giorgi, M. 2018. Pharmacokinetics of tapentadol in laying hens and its residues in eggs after multiple oral dose administration. *British Poultry Science*. 59: 128-133.
77. Phruksawan, W., Poapolathep, S., Giorgi, M., Imsilp, C., Sakulthaew, C., Owen, H. & **Poapolathep, A.** 2018. Toxicokinetic profile of fusarenon-X and its metabolite nivalenol in the goat (*Capra hircus*). *Toxicon*. 153: 78-84.
78. Susakate, S., Poapolathep, S., Chokeyaroenrat, C., Tanhan, P., Hajslova, J., Giorgi, M., Saimek, K., Zhang, Z. & **Poapolathep, A.** 2019. Multiclass analysis of antimicrobial drugs in shrimp muscle by ultra high performance liquid chromatography-tandem mass spectrometry. *Journal of Food and Drug Analysis*. 27: 118-134.
79. Chokeyaroenrat, C., Sakulthaew, C., Angkaew, A., Satapanajaru, T., **Poapolathep, A.** & Chirasatienpon, T. 2019. Remediating sulfadimethoxine-contaminated

- aquaculture wastewater using ZVI-activated persulfate in a flow-through system. *Aquacultural Engineering*. 84: 99-105.
80. 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: 104-11
  81. Li, G., Xu, L., Wu, W., Wang, D., Jiang, J., Chen, X., Zhang, W., Poapolathep, S. & **Poapolathep, A.**, Zhang, Z., Zhang, Q., & Li, P. 2019. On-Site Ultrasensitive Detection Paper for Multiclass Chemical Contaminants via Universal Bridge-Antibody Labeling: Mycotoxin and Illegal Additives in Milk as an Example. *Analytical Chemistry*. 91: 1968-1973.
  82. Łebkowska-Wieruszewska, B., Stefanelli, F., Chericoni, S., Owen, H., **Poapolathep, A.**, Lisowski, A. & Giorgi, M. 2019. Pharmacokinetics of Bedrocan®, a cannabis oil extract, in fasting and fed dogs: An explorative study. *Research in Veterinary Science*. 123: 26-28.
  83. Sinphithakkul, P., **Poapolathep, A.**, Klangkaew, N., Logrieco, A.F. & Poapolathep, S. 2019. Multiple mycotoxin occurrence in various types of rice and barley samples in Thailand. *Journal of Food Protection*. 82 (6): 1007-1015.
  84. Aupanun, S., Phuektes, P., Poapolathep, S., Alassane-Kpembé, I., Oswald, I.P. & **Poapolathep, A.** 2019. Individual and combined cytotoxicity of major trichothecenes type B, deoxynivalenol, nivalenol, and fusarenon-X on Jurkat human T cells. *Toxicon*. 160: 29-37.
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11. Poapolathep, S., **Poapolathep, A.**, Imsilp, K., Limpoka, M., Kunakornsawat, S., Klangkaew, N., Phaochoosak, N. and Kumagai, S. 2005. Pharmacokinetics and bioavailability of enrofloxacin in dogs following intravenous and oral administration. Proceeding of the 31st Veterinary Medicine and Livestock Development Annual Conference, pp 1-9 (CD ROM).
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#### National Publications: Invited Speaker

1. **Poapolathep, A.** Multi-mycotoxin monitoring in food and beverages for assuring food safety. The 19th International Symposium of World Association of Veterinary Laboratory Diagnosticians (ISWAVLD 2019) 20-22 June, 2019. Chaing-Mai, Thailand.
2. **Poapolathep, A.** Multiple mycotoxin monitoring in agricultural products in Thailand: Are they safe for consumption? The 2nd Mycokey International Conference. 15-18 September, 2018, Wuhan, The People's Republic of China
3. **Poapolathep, A.** Multi-residue analysis of mycotoxins and veterinary drugs in foods. APEC Workshop on Food Safety and Food Adulterated with Drug 2018. 11-14 September, 2018, Republic of China (Taiwan).
4. **Poapolathep, A.** Toxicity and toxicokinetics of fusarenon-X in animals. Symposium of Mycotoxicology 2016 (ISMYCO 2016). 30 November- 3 December, 2016, Tokyo, Japan.
5. **Poapolathep, A.** Protective effects of phytochemicals against mycotoxin-induced toxicity in animals. The 15th AAAP Animal Science Congress, 26-30 November, 2012, Thammasart University, Thailand
6. **Poapolathep, A.** Perspectives on mycotoxins and food safety. The 2012 Korean Society Veterinary Sciences (KSVS) Internatinal Symposium, 30 October-3 November, 2012, Seoul, South Korea.
7. **Poapolathep, A.** How to reduce certain toxicities of mycotoxins ?. The 36th International Conference on Veterinary Sciences 2010 (ICVS 2010). 3-5 November, 2010, Impact, Mueng Thong, Thailand
8. **Poapolathep, A.**, Sugita-Konishi, Y., Doi, K. and Kumagai, S. Symposium: Perspectives on mycotoxins and food safety (Toxicological characteristics of nivalenol, a trichothecene mycotoxin.) The 3rd International Congress of the Asian Society of Toxicology (ASIATOX III ), February 1-5, 2004.

9. **Poapolathep, A.**, Kumagai, S. and Doi, K. 2003. Nivalenol-induced changes in apoptosis-related genes expression and lymphocyte subsets in lymphoid tissues and mouse thymocyte primary cultures. The International Symposium of Mycotoxicology in Kagawa, 2003 (ISMYCO Kagawa'03), November 3-5, 2003.

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### International Presentations

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2. **Poapolathep, A.**, Poapolathep, S., Tanhan, P., Piasai, O., Imsilp, K., Giorgi, M., Kumagai, S. & Hajslova, J. Health risk of patulin and pyrethroids in fruit juices consumed in Thailand. 8th International Symposium on Recent Advances in Food Analysis (RAFA 2017). 7-10 November, 2017, Prague, Czech Republic
3. **Poapolathep, A.**, Poapolathep, S., Imsilp, K., Isariyodom, S., Tanhan, P., Jermnak, U., Klangkaew, N., Fate and tissue disposition of deoxynivalenol and zearalenone in broilers. The 13th International Congress of the European Association for Veterinary Pharmacology and Toxicology, 19-22 July, 2015, Nantes, France
4. Sutjarit, S., Banrunala, W., Kumagai, S. and **Poapolathep, A.** Fusarenon-X induced apoptosis in developing mouse brain from pregnant mice. The 2nd CAS National and International Conference 2014 (CASNIC 2014) 10 October, 2014, Khonkaen, Thailand
5. **Poapolathep, A.**, Poapolathep, S. Isariyodom, S., Imsilp, K., Ikenaka, Y. and Ishizuka, M. Toxicokinetics and tissue depletions of fusarenon-X and its metabolites in piglets. ISM-MycoRed International Conference Europe 2013 , 27-31 May, 2013, Martina Franca, Apulia, Italy
6. Poapolathep, S., **Poapolathep, A.**, Machii, K., Nakayama, H., Sugita-konishi, Y. and Kumagai, S. The Effect of Neonatal Genistein Exposure on Aflatoxin B1 Metabolism and Toxicity in Rats. 7-11 March, 2010, Utah, USA.
7. **Poapolathep, A.**, Poapolathep, S., Isariyodom, S., Imsilp, K., Klangkaew, N., Sugita-konishi, Y. and Kumagai, S. 2010. Species comparison of in vito metabolic conversion of aflatoxin B2 to aflatoxin B1. 7-11 March, 2010, Utah, USA.
8. **Poapolathep, A.**, Poapolathep, S., Imsilp, K. & Klangkaew, N. Antibiotic residue in aquaculture. The 2nd FASAVA and the 35th VMLDAC , Bitech, 3-5 November, 2009, Thailand
9. **Poapolathep, A.**, Poapolathep, S., Machii, K., Nakayama, H. and Kumagai, S. The effects of curcumin as a chemoprotective agent against aflatoxin B1 induced toxicity in rats. 46th Congress of the European Societies of Toxicology, September 13-16, 2009, Dresden, Germany
10. **Poapolathep, A.**, Poapolathep, S., Sugita-Konishi, Y., Mochii, K., Itoh, Y., and Kumagai, S. Effect of naringenin dispositions of deoxynivalenol in piglets. The 48th Annual Meeting of the Society of Toxicology, U.S.A., Baltimore, Maryland, U.S.A., 15-19 March, 2009.
11. **Poapolathep, A.**, Jermnak, U., Poapolathep, S., Jaroensan, A., Imsilp, K., Klangkaew, N., Sukasem, T. and Kumagai, S. Residue depletion of enrofloxacin and its metabolite ciprofloxacin in giant freshwater shrimp (*Macrobrachium rosenbergii*).

The 5th World Fisheries Congress, Pacifico Yokohama, Yokohama, Japan, October 20-24, 2008.

12. **Poapolathep, A.**, Poapolathep, S., Jermnak, U., Imsilp, K., Wannapat, N., Chareonsan, A., Klangkaew, N., Kusujarit, N. and Kumagai, S. Dispositions and residue depletion of oxytetracycline in muscle tissue of giant freshwater shrimp (*Macrobrachium rosenbergii*). World Aquaculture 2008, Busan Exhibition & Convention Center, Busan, Korea. , May 19-23, 2008.
13. **Poapolathep, A.**, Poapolathep, S., Imsilp, K., Sugita-Konishi, Y. and Kumagai, S. Detection of deoxynivalenol contamination in wheat products. The 6th Princess Chulabhorn International Science Congress (PC VI), Bangkok, Thailand, November 25-29, 2007.
14. Poapolathep, S., **Poapolathep, A.** and Kumagai, S. Effects of neonatal exposure to  $\alpha$ -zearalenol, genistein, and aflatoxin B1 on aflatoxin metabolism in the liver of adult rats. The 62nd Annual Meeting of Mycotoxin, Kobe, Japan, September 6, 2007
15. **Poapolathep, A.**, Poapolathep, S., Imsilp, K., Sinthusinh, C., Sugita-Konishi, Y. and Kumagai, S. Dispositions and bioavailability of fusarenon-X, a mycotoxin, in broilers and ducks. The 11th International Congress of Toxicology (ICTXI), Montreal, Canada, July 15-19, 2007
16. Imsilp, K., **Poapolathep, A.** and Poapolathep, S. 2006. Risk assessment of mycotoxins. The International Symposium of Mycotoxicology in Bangkok 2006: New strategies for mycotoxin research in Asia., Kasetsart University Veterinary Teaching Hospital, Bangkok, Thailand. December 12-15, 2005. pp 14.
17. **Poapolathep, A.**, Poapolathep, S., Imsilp, K., Tassanawat, T., Kusujarit, N., Sugita-Konishi, Y. and Kumagai, S. 2006. Toxicokinetics of fusarenon-x, a mycotoxin, in broilers. The International Symposium of Mycotoxicology in Bangkok 2006: New strategies for mycotoxin research in Asia. Kasetsart University Veterinary Teaching Hospital, Bangkok, Thailand. December 12-15, 2006. pp 46.
18. **Poapolathep, A.**, Poapolathep, S., Imsilp, K., Sinthusinh, C., Jermnak, U., Klangkaew, N., Sugita-Konishi, Y. and Kumagai, S. 2006. Fate and systemic availability of fusarenon-x in ducks. The International Symposium of Mycotoxicology in Bangkok 2006: New strategies for mycotoxin research in Asia., Kasetsart University Veterinary Teaching Hospital, Bangkok, Thailand. December 12-15, 2006. pp 45.
19. Poapolathep, S., **Poapolathep, A.**, Imsilp, K., Phaochoosak, N., Tassanawat, T., Kumagai, S. and Doi, K. Contamination of deoxynivalenol in wheat grains. The 32nd Annual Meeting of the Japanese Society of Toxicology, June 29 – July 1, 2005.
20. **Poapolathep, A.**, Poapolathep, S., Noonpugdee, Ch., Klangkaew, N., Kumagai, S. and Doi, K. Determination of zearalenone and aflatoxins in maize. The 32nd Annual Meeting of the Japanese Society of Toxicology, June 29 – July 1, 2005.
21. **Poapolathep, A.**, Singhasem, S., Noonpugdee, Ch., Sugita-Konishi, Y., Doi, K. and Kumagai, S. The fate and transmission of fusarenon-X (FX), a trichothecene mycotoxin, in mice. The 10th International Congress of Toxicology, Tampere, Finland. July 11-15, 2004.
22. **Poapolathep, A.**, Nagata, T., Sugita-Konishi, Y., Kumagai, S. and Doi, K. Changes in lymphocyte subsets and apoptosis in lymphoid tissues of nivalenol-treated mice. The 42nd Annual Meeting of the Society of Toxicology, Salt Palace Convention Center, Salt Lake City, Utah, U.S.A., March 9-13, 2003.
23. **Poapolathep, A.**, Sugita-Konishi, Y., Doi, K. and Kumagai, S. The fates of nivalenol and fusarenon-X in mice (*in vitro* and *in vivo* experiment). The 54th Mycotoxin Research Meeting, Tokyo, Japan. January 17, 2003.

24. **Poapolathep, A.**, Sugita-Konishi, Y., Doi, K. and Kumagai, S. Pharmacokinetic and apoptosisinduction of nivalenol in mice. The 48th Annual Meeting of the Society of Food Hygiene, Osaka, Japan. November 7-8, 2002.
  25. **Poapolathep, A.**, Sugita-Konishi, Y., Yamamoto, S., Doi, K. and Kumagai, S. Pharmacokinetic characteristics of labeled-nivalenol and –fusarenon-X in mice. The 29th Annual Meeting of the Society of Toxicology, Nagoya, Japan. June 18-20, 2002.
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  27. **Poapolathep, A.**, Kiatipattanasakul, W., Ishigami, N., Nakayama, N. and Doi, K. Nivalenol-induced apoptosis in lymphoid organs of mice. The 27th Annual Meeting of the Society of Toxicology, Yokohama, Japan. June 28-30, 2000.
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