

Dr. Aksorn Saengtienchai

(D.V.M., Ph.D.)

Department of Pharmacology,
Faculty of Veterinary Medicine
Kasetsart University, Bangkok, Thailand

E-mail: fvetasc@ku.ac.th



Position :

Assistant Professor

Educational Background :

2006 : Doctor of Veterinary Medicine (DVM.), Kasetsart University

2013 : Ph.D. (Environmental Toxicology), Hokkaido University, Japan

Research Interests :

- Pharmacokinetics and Toxicokinetics
 - Xenobiotic metabolism and Environmental Toxicology
 - Molecular technology in pesticide toxicology
-

Academic Position :

2006 - present : Lecturer, Faculty of Veterinary Medicine, Kasetsart University

2019 - present: Assistant Professor, Faculty of Veterinary Medicine, Kasetsart University

2014 - 2016 : Assistant Dean (International Affair) Faculty of Veterinary Medicine, Kasetsart University, Bangkok, 10900, THAILAND

October 2015 – October 2016 : Specially Appointed Assistant Professor, Laboratory of Toxicology, Graduate School of Veterinary Medicine, Hokkaido University, Japan

2017 – 2019 : Assistant Dean (Student Affair) Faculty of Veterinary Medicine, Kasetsart University, Bangkok, 10900, THAILAND

October 2019 – present: Assistant Dean (International Affair) Faculty of Veterinary Medicine, Kasetsart University, Bangkok, 10900, THAILAND

Research Publications

International Publications :

1. Poapolathep, A., Jermnak, U., Poapolathep, S., **Charoensan, A.**, Imsilp, K., Klangkaew, N., Sukasem, T., and Kumagai, S. Residue depletion of enrofloxacin and its metabolite ciprofloxacin in giant freshwater shrimp (*Macrobrachium rosenbergii*). World fisheries Congress, Yokohama, Japan on 20-28 October 2008
 2. Poapolathep, A. Jermnak, U., **Charoensan, A.**, Sakulthaew, C., Klangkaew, N., Sukasem, T. and Kumagai, S. Dispositions and residue depletion of enrofloxacin and its metabolite ciprofloxacin in muscle tissue of giant freshwater prawns (*Macrobrachium rosenbergii*). J. vet.Pharmacol. Therap.
-

-
3. Watanabe KP, **Saengtienchai A**, Tanaka KD, Ikenaka Y, Ishizuka M. 2010. Comparison of warfarin sensitivity between rat and bird species. *Comp Biochem Physiol C Toxicol Pharmacol.* 152 (1):114-9.
 4. **Saengtienchai A**, Ikenaka Y, Watanabe K, Ishida T, Ishizuka M. 2011. Comparative Metabolism of Warfarin in Rats and Chickens. *Poult Sci.* 90:2775-2781.
 5. Oroszlany B, Ikenaka Y, **Saengtienchai A**, Oguri M, Nakayama S.M.M, Ishizuka M. 2013. Metabolism of pyrene, a polycyclic aromatic hydrocarbon in freshwater turtles. *JJVR*, 61:S62-S63
 6. Yohannes YB, Ikenaka Y, **Saengtienchai A**, Watanabe KP, Nakayama SMM, Ishizuka M. 2013. Occurrence, distribution and ecological risk assessment of DDTs and heavy metals in surface sediments from Lake Awassa – Ethiopian Rift Valley Lake. *Environ Sci Pollut Res* 20:8663–8671
 7. Ikenaka Y, Oguri M, **Saengtienchai A**, Nakayama SMM, Ijiri S, Ishizuka M. 2013. Characterization of Phase-II conjugation reaction of polycyclic aromatic hydrocarbons in fish species: unique pyrene metabolism and species specificity observed in fish species. *Environmental Toxicology and Pharmacology* 36:567-578
 8. Yohannes YB, Ikenaka Y, Nakayama SM, **Saengtienchai A**, Watanabe K, Ishizuka M. 2013. Organochlorine pesticides and heavy metals in fish from Lake Awassa, Ethiopia: Insights from stable isotope analysis. *Chemosphere.* 91(6):857-63.
 9. Yohannes YB, Ikenaka Y, **Saengtienchai A**, Watanabe KP, Nakayama SMM, Ishizuka M. 2014. Concentrations and human health risk assessment of organochlorine pesticides in edible fish species from a Rift Valley lake-Lake Ziway, Ethiopia. *Ecotoxicol. Environ. Saf.* 106:95-101
 10. **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. *Environ Toxicol Chem.* 33(9):2062-2069.
 11. Ikenaka Y, Nakayama SMM, Oguri M, **Saengtienchai A**, Mizukawa H, Kobayashi J, Darwish WS, Ishizuka M. 2015. Are red gourami (*Colisa labiosa*) low xenobiotic metabolizers? Elucidation of in vivo pharmacokinetics of pyrene as a model substrate. *Environ Toxicol Pharmacol*, 39:1148-1153
 12. **Saengtienchai A**, Ikenaka Y, Darwish WS, Nakayama SMM, Mizukawa H, Ishizuka M. 2015. Characterization and tissue distribution of conjugated metabolites of pyrene in the rat. *J Vet Med Sci*, 77(10): 1261 – 1267.
 13. Watanabe KP, Kawata M, Ikenaka Y, Nakayama SMM, Ishii C, Darwish WS, **Saengtienchai A**, Mizukawa H, Ishizuka M. 2015. Cytochrome P450-mediated warfarin metabolic ability is not a critical determinant of warfarin sensitivity in avian species: In vitro assays in several birds and in vivo assays in chicken. *Environ Toxicol Chem*, 34(10): 2328 - 2334
 14. **Saengtienchai A**, Ikenaka Y, Sortey-Sam, N, Jermnark U, Mizukawa, H, Kawai YK, Nakayama SMM, Ishizuka M. 2016. The African hedgehog (*Atelerix albiventris*): Low phase I and phase II metabolism activities. *Comparative Biochemistry and Physiology, Part C*, 190: 38 – 47.
 15. Bortey-Sam N, Ikenaka Y, Akoto O, Nakayama SMM, Marfo J, **Saengtienchai A**, Mizukawa H, Ishizuka M. 2016. Excretion of polycyclic aromatic hydrocarbon metabolites (OH-PAHs) in cattle urine in Ghana. *Environmental Pollution*, 218: 331 – 337.
-

-
16. Nakata H, Nakayama SMM, Oroszlany B, Ikenaka Y, Mizukawa H, Tanaka K, Harunari T, Tanikawa T, Darwish WS, Yohannes YB, **Saengtienchai A**, Ishizuka M. 2017. Monitoring Lead (Pb) Pollution and Identifying Pb Pollution Sources in Japan Using Stable Pb Isotope Analysis with Kidneys of Wild Rats. *Int. J. Environ. Res. Public Health*, 14(56): 1 – 13.
 17. Bortey-Sam N, Ikenaka Y, Akoto O, Nakayama SMM, Marfo JT, **Saengtienchai A**, Mizukawa H, Ishizuka M. 2018. Sex and site differences in urinary excretion of conjugated pyrene metabolites in the West African Shorthorn cattle. *JVMS*. 80: 375-381
 18. **Saengtienchai A**, Ikenaka Y, Kawata M, Kawai Y, Takeda K, Kondo T, Bortey-Sam N, Nakayama S.M.M, Mizukawa H, Ishizuka M. 2018. Comparison of xenobiotic metabolism in phase I oxidation and phase II conjugation between rats and bird species. *CBP*. 214:28-35.
 19. Kawai YK, Shinya So, Ikenaka Y, **Saengtienchai A**, Kondo T, Darwish WS, Nakayama SMM, Mizukawa H, Ishizuka M. 2019. Characterization of function and genetic feature of UDP-glucuronosyltransferase in avian species. *CBP*. 217:5-14.

National Publications :

1. **Charoensan, A.**, Imsilp, K., Jermknak, U., Poapolathep, A., Poapolathep, S., Klangkaew, N., Kusujarit, N. and Narunat, O. Pharmacokinetics of Enrofloxacin in Nile tilapia (*Oreochromis niloticus*). The proceeding of 46th Kasetsart University Annual Conference. 29 January 1 February 2008. page 519-525.
 2. Jermknak, U., Imsilp, K., **Charoensan, A.**, Poapolathep, A., Poapolathep, S., Klangkaew, N., Kusujarit, N. and Passadurak, W. Comparative on Bioequivalence of Amoxicillin in Broiler Following Oral Administration. The proceeding of 46th Kasetsart University Annual Conference. 29 January - 1 February 2008. page 498-503.
 3. Usuma Jermnak, Kanjana Imsilp, **Aksorn Saengtienchai**, Amnart Poapolathep, Saranya Poapolathep, Napasorn Paochoosak, Naruamol Klangkaew. 2014. Pharmacokinetics and tissue residues of enrofloxacin in Nile tilapia (*Oreochromis niloticus*). *J of the Thai Veterinary Medical*, Volume 65, Issues 1-3, April - December 2014, Pages 64-75.
-