

Dr. Phanwimol Tanhan
(Ph.D.)

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

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Position :

Associate Professor

Educational Background :

2000 : B.Sc. (Biology) in the field of Zoology, Kasetsart University

2003 : M.Sc. (Environmental Biology), Mahidol University

2008 : Ph.D. (Biology), Mahidol University

Research Experience :

2010 : Postdoctoral, Center of Excellence on Environmental Health Toxicology and Management of Chemicals, Mahidol University

Research Interests :

- Environmental toxicology, Heavy metal and pesticide residues in food and their human health risk effects

Academic Position :

2010-2015 : Lecturer, Faculty of Veterinary Medicine, Kasetsart University

2015-2021: Assistant Professor, Faculty of Veterinary Medicine, Kasetsart University

2021-present: Associate Professor, Faculty of Veterinary Medicine, Kasetsart University

Research Publications

International Publications :

- Susakate, S., Poapolathep, S., Chokejaroenrat, C., Tanhan, P., Hajslova, J., Giorgi, M., Siamek, 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(1): 118 – 134.
- 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): 1415 – 1421.
- 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): 31-40.
 - 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.
 - 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): 206-209.
 - Khidkhan, K., Imsilp, K., Poapolathep, A., Poapolathep, S., Jermnak, U., Tanhan, P. (2016). Using *Nassarius stolatus* as a potential heavy metal biomonitor. *Japanese Journal of Veterinary Research*, 64(4): 277-280.
 - 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(5); 270.
 - Dumme, V., Tanhan, P., Kruatrachue, M., Damrongphol, P., Pokethitiyook, P. (2015). Histopathological changes in snail, *Pomacea canaliculata*, exposed to sub-lethal copper sulfate concentrations. *Ecotoxicology and Environmental Safety*, 122; 290-295.
 - 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.
 - Meeinkuirt, W., Kruatrachue, M., Tanhan, P., Chaiyarat, R., Pokethitiyook, P. (2013). Phytostabilization potential of Pb mine tailing by two grass species, *Thysanolaena maxima* and *Vetiveria zizanioides*. *Water Air and Soil Pollution*, 224; 1750.
 - Dumme, V., Kruatrachue, M., Trinachartvanit, W., Tanhan, P., Pokethitiyook, P., and Damrongphol, P. (2012). Bioaccumulation of heavy metals in water, sediments, aquatic plant and histopathological effects on the golden apple snail in Beung Boraphet reservoir, Thailand. *Ecotoxicology and Environmental Safety*, 86; 204-212.
 - Meeinkuirt, W., Pokethitiyook, P., Kruatrachue, M., Tanhan, P., and Chaiyarat, R. (2012). Phytostabilization of a Pb-contaminated mine tailing by various tree species in pot and field trial experiments. *International Journal of Phytoremediation*, (14); 925-928.
 - Tanhan, P., Pokethitiyook, P., Kruatrachue, M., Chaiyarat, R., and Upatham, S. (2011). Effects of soil amendments and EDTA on lead uptake by *Chromolaena odorata* : greenhouse and field trial experiments. *International Journal of Phytoremediation*, 13(9); 897-911.
 - Pokethitiyook, P., Poolpak, T., Tanhan, P., Siangjaeo, S., and Mahakitikhun, P. (2008). Enhancement of zinc and cadmium uptake in Brassicaceae plants by rhizosphere bacteria. *Journal of Biotechnology*, 136S; S30-S31.

- Surat, W., Kruatrachue, M., Pokethitiyook, P., Tanhan, P., and Samranwanich, T. (2008). Potential of *Sonchus arvensis* for the phytoremediation of lead-contaminated soil. *International Journal of Phytoremediation*, 10(4); 325-342.
- Tanhan, P., Kruatrachue, M., Pokethitiyook, P., and Chaiyarat, R. (2007). Uptake and accumulation of cadmium, lead and zinc by Siam weed [*Chromolaena odorata* (L.) King & Robinson]. *Chemosphere*, 68; 323-329.
- Tanhan, P., Sretarugsa, P., Pokethitiyook, P., Kruatrachue, M., and Upatham, E.S. (2005). Histopathological alterations in the edible snail, *Babylonia areolata* (Spotted Babylon), in acute and subchronic cadmium poisoning. *Environmental Toxicology*, 20; 142149.

Conference Presentations :

- Jermnak, U., Poapolathep, S., Poapolathep, S., Imsilp, K., Tanhan, P. (2016). Detection of aflatoxin B1 contamination in imported chia seed dietary supplements in Thailand. Poster presented in “WMF Meets IUPAC The World Mycotoxin Forum” at Winipeg Canada.
- Pienpinijtham, P., Imsilp, K., Poapolathep, S., Poapolathep, A., Tanhan, P., Jermnak, U., Klangkhew, N., Khantee, N., Sonna, S., Makhanon, M. (2015). Evaluation of the bioavailability of ivermectin post-injection in pigs. The 7th Asian Pig Veterinary Society Congress. Sofitel Philippine Plaza, Manila, Philippines.
- Pienpinijtham, P., Imsilp, K., Poapolathep, S., Poapolathep, A., Tanhan, P., Jermnak, U., Klangkhew, N., Khantee, N., Sonna, S., Makhanon, M. (2015). Evaluation of the bioavailability of ivermectin as feed medication in pigs. The 7th Asian Pig Veterinary Society Congress. Sofitel Philippine Plaza, Manila, Philippines.
- Tanhan, P., Imsilp, K., Khidkhan, K., Kruatrachue, M., Trinachartvanit, W. (2014). Essential metals levels in duck eggs and estimation of human health risk from egg consumption. Poster presented in “The 18th Congress of the Federation of Asian Veterinary Association” at Marina Bay Sands, Singapore.
- Imsilp, K., Tanhan, P., Jermnak, U., Saengtienchai, A., Klangkaew, N., Phaochoosak, N., Poapolathep, A., Poapolathep, S., Akrimajirachote, N., Kunakornsawat, S., Pattanatanang, K., Ardsongnearn, C., Kittijaruwattana, S., Boonbanlu, O., Noentong, N., Lumyai, M. (2014). Bioequivalence of enrofloxacin formulations in pigs. Poster presented in “The 18th Congress of the Federation of Asian Veterinary Association” at Marina Bay Sands, Singapore.
- Khidkhan, K., Tanhan, P., Imsilp, K., Poapolathep, A., Poapolathep, S., Trinachartvanit, W. (2014). Preliminary investigation of toxic heavy metals along Don Hoi Lot sandbars, Thailand. Poster presented in “The 18th Congress of the Federation of Asian Veterinary Association” at Marina Bay Sands, Singapore.
- Tanhan, P., Kruatrachue, M., Pokethitiyook, P., Meetam, M., Singhakaew, S. (2013). Effect of Cadmium on the Ultrastructural Changes of *Chlamydomonas reinhardtii*. Poster presented in “The 30th Annual Conference of the Microscopy Society of Thailand” at Maneechan Resort Hotel, Chantaburi, Thailand.
- Dummeey, V., Kruatrachue, M., Trinachartvanit, W., Tanhan, P., Damrongphol, P., Pokethitiyook, P., Singhakaew, S. (2013). Ultrastructural Changes in the Intestine Epithelial Cell of *Pomacea canaliculata* Treated by 96h-LC50 Concentration of Copper Sulphate. Poster presented in “The 30th Annual Conference of the Microscopy Society of Thailand” at Maneechan Resort Hotel, Chantaburi, Thailand.