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### Academic Career

1995	The University of Tokyo, Japan	Ph.D. in Veterinary Medical Science (Toxicology)
1990	National Institute of Animal Health, Japan	Certificate in Toxicology, Pharmacology and Biochemistry
1979	Mahidol University	M.P.H. in Urban Health
1978	Chulalongkorn University	D.V.M. in Veterinary Medicine

### Professional Experience

2013-present	Associate Professor (Part Time)	Chulalongkorn University
2005-2013	Director of Research and Development Center for Livestock Production Technology	Chulalongkorn University
1998-2005	Associate Professor	Chulalongkorn University
1995-1998	Assistant Professor	Chulalongkorn University
1994-1995	Instructor	Chulalongkorn University
1979-1994	Veterinary Officer Development	Department of Livestock

### Scientific Award

1. Poster Award, the First International Conference of Asian Society of Toxicology, Yokohama, Japan, June 29- July 2, 1997.

2. Poster Award, the 18<sup>th</sup> Annual Thai Society of Toxicology Conference, Chiang Mai Hill Hotel, Chiang Mai Province, Thailand, December 6-8, 2001.

3. Poster Prize (Yoshizawa Award), the International Symposium on Mycotoxicology in Bangkok 2006 (ISMYCO Bangkok '06), Kasetsart University, Bangkok, Thailand, December 12-15, 2006.

#### Publications

- Bintvihok A., Treebonmuang S., Srisakwattana K., Nuanchun W., Patthanachai K. and Usawang S. (2016). A Rapid and sensitive detection of aflatoxin-producing fungus using an optimized polymerase chain reaction (PCR). *Toxicological Research*, 32(1) : 81-87.
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- Jetana T. and Bintvihok A. (2013). Potential benefits from the utilization of some natural feed resources in Thai swamp buffaloes. *Proc. the 10<sup>th</sup> World Buffalo Congress and the 7<sup>th</sup> Asian Buffalo Congress, Phuket, Thailand, May 6-8, 2013. NUF 051.*
- Jetana T., Vongpipatana C., Sophon S. and Bintvihok A. (2013). Comparative utilization of different types of roughage in Thai swamp buffalo and Thai Brahman cattle based on *in vivo* nutrient utilization, nitrogen balance and purine derivatives excretion in the urine. *Proc. the 10<sup>th</sup> World Buffalo Congress and the 7<sup>th</sup> Asian Buffalo Congress, Phuket, Thailand, May 6-8, 2013. NUF 027.*
- Kaewamatawong T., Ponpornpisit A., Banlunara W., Bintvihok A., Tosukcharoen B., Kongloon S., Udchachon S., Maneewattanapinyo P., Thammacharoen C. and Ekgasit S. (2012). Toxicity test of nanosilver particles on Zebrafish (*Danio rerio*) embryonic development. *Thai J. Vet. Med.*, 42(3): 305-310.
- Bintvihok A., Treebonmuang S., Patthanachai K., Srisakwattana K., Nuanchun W. and Usawang S. (2012). The optimization of real-time quantitative PCR using SYBR Green for detection of aflatoxin in maize sample feedstuffs. *Thai J. Toxicol.*, 27(2): 152. Presented at the 8<sup>th</sup> Congress of Toxicology in Developing Countries (8CTDC),

Centara Grand at Central Plaza Ladprao, Bangkok, Thailand, September 10-13, 2012.

- Jetana T., Vongpipatana C., **Bintvihok A.** and Sophon S. (2012). The use of some local plants in the tropics for Thai swamp buffalo (*Bubalus bubalis*) and Thai Brahman cattle (*Bos indicus*). *The South Africa Journal of Animal Science*. In press.
- Ponpornpisit A., Pirarat N., Suthikrai W. and **Bintvihok A.** (2011). Toxicity test of Kameng (*Eclipta prostrata* Linn.) and Kradhuawean (*Spilanthes acmella* (Linn.) Murr.) to early life stage of Zebrafish (*Danio rerio*). *Thai J. Vet. Med.*, 41(4): 523-527.
- Bintvihok A.**, Tribunmuang S., Srisakwattana K., Nualchuen W., Patanachai K. and Usawang S. (2011). Study on DNA pattern of aflatoxin-producing fungus in Thai maize feedstuff by PCR-RFLP. *Thai J. Toxicol.*, 26(2): 134.
- Srisakwattana K., Thongruay S., Suthikrai W., Tasripoo K., Nualchuen W., Usawang S. and **Bintvihok A.** (2010). Preliminary report on the production of anti-progesterone monoclonal antibodies. *Proc. the 36<sup>th</sup> Thai Veterinary Medical Association International Conference on Veterinary Science 2010 (ICVS 36<sup>th</sup> Thailand 2010) : "ASEAN+3, ASEAN+6-Impact on Veterinary Roles", Impact Challenger Hall, Muang Thong Thani, Nonthaburi, Thailand, November 2-5, 2010.*
- Bintvihok A.**, Watcharamul S., Tribunmuang S., Srisakwattana K., Nualchuen W., Patanachai K. and Usawang S. (2010). Detection of genomic DNA as biomarker for aflatoxin-producing fungus in Thai maize feedstuff by Nested PCR-RFLP. *Thai J. Toxicol.*, 25(2): 189.
- Kaewamatawong T., Shimada A., Morita T., Banlunara W. and **Bintvihok A.** (2009). Acute and subacute pulmonary effects of diesel exhaust particles in mice: pathological changes and translocation pathways to the circulation. *Thai J. Vet. Med.*, 39 (4): 311-318.
- Bintvihok A.**, Watcharamul S., Nualchuen W., Tribunmuang S., Srisakwattana K., Patanachai K. and Usawang S. (2009). Use of PCR-RFLP for assessment of aflatoxin production in Thai maize livestock commodity : 1. Aflatoxin analysis by PCR in Thai maize livestock commodity. *Thai J. Toxicol.*, 24(2): 124-129.
- Kaewamatawong T., Banlunara W., **Bintvihok A.**, Morita T. and Shimada A. (2008). Acute

and subacute pulmonary effects of low dose of diesel exhaust particles in mice: pathological changes and translocation pathways to the circulation. *Proc. the 15<sup>th</sup> Congress of the Federation of Asian Veterinary Associations (FAVA), FAVA-OIE Joint Symposium on Emerging Diseases, Bangkok, Thailand, October 27-30, 2008.*, P371-373.

Bunsatra B. and Bintvihok A. (2007). Effects of low level aflatoxin B1 on hepatic enzyme activities and white blood cell parameters in Nile tilapia (*Oreochromis niloticus*).

*Mycotoxins 57 (supplement) : 207-213. Proc.the International Symposium on Mycotoxicology in Bangkok 2006 (ISMYCO Bangkok '06), Kasetsart University, Bangkok, Thailand, (Poster Prize, Yoshizawa Award), December 12-15, 2006.*

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Bintvihok A. and Kositcharoenkul S. (2006). Effect of dietary calcium propionate on performance, hepatic enzyme activities and aflatoxin residues in broilers fed a diet containing low levels of aflatoxin B1. *Toxicon* 47(1) : 41-46.

Bintvihok A. and Soontornchai S. (2006). Review risk assessment of tylosin. *Chinese J. Pharmacol.and Toxicol.* 20(3) : 181. Presented at the Fourth International Congress of Asian Society of Toxicology (ASIATOX-IV), Zhuhai, China, June 18-21, 2006.

Bintvihok A. (2006). Development of ELISA for aflatoxin M1 detection in cow milk in Thailand. *Chinese J. Pharmacol. and Toxicol.* 20(3) : 193-194. Presented at the Fourth International Congress of Asian Society of Toxicology (ASIATOX-IV), Zhuhai, China, June 18-21, 2006.

Bintvihok A. and Ponponpisit A. (2006). Effects of aflatoxin B1 in black tiger shrimp. *Chinese J. Pharmacol. and Toxicol.* 20(3) : 194. Presented at the Fourth International Congress of Asian Society of Toxicology (ASIATOX-IV), Zhuhai, China, June 18-21, 2006.

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**Bintvihok A.** (2004). Aflatoxin residues in eggs of domestic fowls. In: Kumagai S, editor. *Control of Toxic Microorganisms in Foods of Animal Origin*. 1<sup>st</sup> ed. Japan: Bikohsha; 2004. p. 58-61. Presented at the Asian Symposium on Toxic Microorganisms, Renaissance Kuala Lumpur Hotel, Malaysia, August 22, 2004.

**Bintvihok A.**, Ponpornpisit A., Tangtrongpiros J., Panichkriangkrai W., Rattanapanee R., Doi K. and Kumagai S. (2003). Aflatoxin contamination in shrimp feed and effects of aflatoxin addition to feed on shrimp production. *J. Food Protection*. 66(5) : 882-885.

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**Bintvihok A.**, Thiengnin S., Doi K. and Kumagai S. (2002). Residues of aflatoxins in the liver, muscle and eggs of domestic fowls. *J. Vet. Med. Sci.*, 64(11) :1037-1039.

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**Bintvihok A.** and Sailsuta A. (2002). Histochemistry and histoenzymatic studies of liver after a single oral dose of aflatoxin B1 in broiler chicks *Thai J. Vet. Med.* 32 (1) : 35-44.

**Bintvihok A.**, Thiengnin S., Kumagai S. and Doi K. (2001). Residues of aflatoxin B1 (AFB1) and its metabolites in tissues and transmission of AFB1 and its metabolites into eggs in domestic fowls. *Toxicon*, 39 : 141. Presented at the fifth Asia-Pacific Congress on Animal, Plant and Microbial Toxins, Royal Cliff Beach Hotel, Pattaya, Chonburi province, Thailand, October 12-15, 1999.

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**Bintvihok A.**, Ponpornpisit A., Tangtrongpiros J., Panichkriangkrai W., Rattanapanee R., Kumagai S. and Doi K. (2001-2002). Metabolites of aflatoxin B1 in shrimps. *Thai J. Toxicol.*, 17-18(1) : 6-14. Presented at the Second International Congress of Asian Society of Toxicology (ASIATOX-II), Hyatt Regency, Cheju Island, Korea, August 23-25, 2000.

- Bintvihok A., Pikulkaew S., Chinon A., Kiatipattanasakul W., Kaewamatawong T., Subhachalat P. and Sasipreeyajan J. (2001-2002). Effect of esterified glucomannans on reduction of liver lesions induced by aflatoxin B1 in ducklings. . *Thai J. Toxicol.*, 17-18(1) : 15-20. Presented at the 18<sup>th</sup> Annual Thai Society of Toxicology Conference, Chiang Mai Hill Hotel, Chiang Mai, Thailand, December 6-8, 2001. (Poster Award).
- Harinharanon K., Sailasuta A., Rungsipipat A., **Bintvihok A.** and Sasipreyajan J. (2000). Pathological changes and faecal excretion levels seen in broiler chicks after a single oral dose of aflatoxin B1. *Thai J. Vet. Med.*, 30(2) : 35-49.
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- Bintvihok A., Kiatipattanasakul W. and Doi K. (1997). Acute toxicity of aflatoxin B1 in three species of domestic fowls. *J. Toxicol. Pathol.*, 10(3) : 149-152.
- Davitiyananda D., **Bintvihok A.**, Udomprasertgul V., Sukontarug M., Kolkasing U. and Prasuchantip K. (1997). A survey studies of tetracycline residues in pig. *Proc. of Chulalongkorn University 80<sup>th</sup> Anniversary Research Conference*, 839-844.
- Bintvihok A., Davitiyananda D., Kositcharoenkul S., Panichkriangkrai W. and Jamratchai O., (1997). Determination of aflatoxins and their metabolites residues in chicken tissues from 5 regions of Bangkok, Thailand. *Chula Research* 16 (10) : 10-17.

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