

ประวัติและผลงานวิจัยของอาจารย์ผู้รับผิดชอบหลักสูตร

1. อ.สพ.ญ.ดร.ดานีย์ แสงทอง

ตำแหน่งทางวิชาการ ..... อวาร์ด .....  
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ชื่อ ทุกระดับ	สาขาวิชาเอก	สถาบันที่สำเร็จการศึกษา	ปีที่สำเร็จ การศึกษา
วท.ด.	พันธุศาสตร์	มหาวิทยาลัยเกษตรศาสตร์	2552
สพ.บ.	-	มหาวิทยาลัยเทคโนโลยีมหานคร	2541

ผลงานทางวิชาการ การค้นคว้า วิจัย หรือการแต่งตាฯ

1. Songmeung Suwannarat, Danai Sangthong, Sompid Samipak & Pradit Sangthong .2017. A multiplex PCR assay for the identification of five commercially important Portunid crabs: *Portunus pelagicus*, *P. gladiator*, *P. sanguinolentus*, *Charybdis natator*, and *C. feriatus*, Food Biotechnology, 31:3, 177-192,
2. อนุสรณ์ จำแสงชื่น ประดิษฐ์ แสงทอง และ ดานีย์ แสงทอง. ความหลากหลายแบบของยีน *hsp70.1* ที่ ตำแหน่ง AP2 box region ในโคไกไทยพื้นเมือง. สัตวแพทย์มหานครสาร. 2559. 11(2): 79-90.
3. Songmeung Suwannarat, Danai Sangthong, Anusorn Jasaenchuen, Weerapun Nokkaew, and Pradit Sangthong. 2016. Phylogeny of Thai native cattle based on DBY-ZFY Y-chromosomal genes. The 9<sup>th</sup> MUF Veterinary Annual Conference 2016. Bangkok, Thailand. (Nov 11-12, 2016).
4. Chonlakran Auychinda, Danai Sangthong, Sompid Samipak and Pradit Sangthong. 2015. Species Identification of Vinegar Crabs Genus *Episesarma* Using Multiplex PCR. The 41st Congress on Science and Technology of Thailand. Nov 2015 p. 421 – 425.
5. Sangthong, P., L. Ngernsiri and D. Sangthong. 2014. Identification of puffer fish of the genus *Lagocephalus*: *L. lunaris*, *L. spadiceus* and *L. inermis*, using multiplex PCR. Food Biotechnol. 28: 216-231.
6. Danai Sangthong, Weerapun Nokkaew and Pradit Sangthong. 2014. Specificity and sensitivity of COX1 primers for species identification: Implement a noninvasive sampling methods. The 8<sup>th</sup> MUF Veterinary Annual Conference 2014. Bangkok, Thailand. (Nov 14-15, 2014).
7. Danai Sangthong, Songmeung Suwannarat and Pradit Sangthong. 2014. Multiplex PCR assay for Identification of *Portunus* species using mitochondrial gene region. The 8<sup>th</sup> MUF Veterinary Annual Conference 2014. Bangkok, Thailand. (Nov 14-15, 2014).
8. Danai Sangthong, Weerapun Nokkaew and Pradit Sangthong. 2014. Molecular phylogeny of *Elephas*, *Loxodonta* and *Mammuthus* (Elephantidae) based on mitochondrial control region: Implications for conservation and forensic. The 8<sup>th</sup> MUF Veterinary Annual Conference 2014. Bangkok, Thailand. (Nov 14-15, 2014).

9. Danai Sangthong, Chonlakran Auychinda and Prudit Sangthong. 2014. Development of Multiplex PCR Assay for the Identification and Differentiation of *Episesarma mederi* and other crab species. The 8<sup>th</sup> MUT Veterinary Annual Conference 2014. Bangkok, Thailand. (Nov 14-15, 2014).

108. อนุสรณ์ จาแสงชื่น ประดิษฐ์ แสงทอง และ ดาวนัย แสงทอง. 2014. การทดสอบประสิทธิภาพของไพรเมอร์เพื่อเพิ่มจำนวนสารพันธุกรรมของยีน *hsp 70.1* ที่ตำแหน่ง AP2 box region. The 8<sup>th</sup> MUT Veterinary Annual Conference 2014. Bangkok, Thailand. (Nov 14-15, 2014).

11. Songmeung Suwannarat, Danai Sangthong, Prudit Sangthong. 2013. Molecular Identification of Mud Crab Species (genus *Scylla*) using mitochondrial gene. The 7 th MUT Veterinary Annual Conference 2013. Bangkok, Thailand. (Nov 22, 2013).

12. Verakiat Supmee, Lertluk Ngernsiri, Akrapong Swatdipong, Passorn Wonnapinij, Danai Sangthong and Prudit Sangthong. 2012. A single population of Thai Vinegar Crab (*Episesarma mederi*) living in the Gulf of Thailand. The 38th Congress on Science and Technology of Thailand.

13. Bhumiratana, Apiradee Intarapuk, Danai Sangthong, Surachart Koyadun, Prapassorn Pechgit and Jinrapa Pothikasikorn. 2012. Molecular Diagnosis and Monitoring of Benzimidazole Susceptibility of Human Filariids. Chapter: 03/2012; ISBN: 978-953-51-0274-8 In book: Current Topics in Tropical Medicine.

14. Pechgit P, Intarapuk A, Pinyoowong D, Bhumiratana A. 2011. Touchdown-Touchup Nested PCR for Low-Copy Gene Detection of Benzimidazole-Susceptible *Wuchereria bancrofti* with a *Wolbachia* endosymbiont imported by migrant carriers. Experimental Parasitology. 2011, Feb; 127 (2): 559-68.

#### ภาระงานสอนในหลักสูตรนี้

รหัสรายวิชา	ชื่อรายวิชา
MSAB0701	Research Methodology in Animal Biotechnology
MSAB0702	Molecular Genetics
MSAB0703	Research Techniques in Biotechnology
MSAB0704	Advanced Cell Biology
MSAB0802	Laboratory Practice and Special Problem in Animal Biotechnology
MSAB0805	Biotechnology in the Diagnosis of Disease and Vaccine Development
MSAB0806	Biotechnology and Animal Conservation
MSAB0807	Recombinant DNA Technology
MSAB0813	Selected Topics in Animal Biotechnology

2. รศ.น.สพ.ดร.จตุพร กระจายศรี  
ตำแหน่งทางวิชาการ ..... รองศาสตราจารย์ .....

วุฒิ ทุกระดับ	สาขาวิชาเอก	สถาบันที่สำเร็จการศึกษา	ปีที่สำเร็จ การศึกษา
Dr.med.vet.	Obstetrics and Gynecology of cattle	University of Veterinary Medicine Hannover Foundation, Germany	1999
สพ.บ.	-	มหาวิทยาลัยเกษตรศาสตร์	2537

ผลงานทางวิชาการ การค้นคว้า วิจัย หรือการแต่งตำรา

1. Kajaysri J. and Wattananorasate A. 2018. Influence of heat stress on pregnancy rate of beef cattle heifers and cows using ovsynch plus CIDR followed by timed artificial insemination in Thailand. Thai J. Vet. Med. 48(1): 71-77.
2. Kajaysri J., Rungroekrit U., Ruenphet S. and Chapanya C. 2017. Efficiency of lyophilized Tris egg yolk extender on bull semen cryopreservation. Proceedings of the 6th International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC2017), October 16-19, Batu city, Indonesia, 130.
3. Kajaysri J., Chumchoung C., Wutthiwitthayaphong S.,  
Suthikrai W. and Sangkamanee P. 2017. Comparison of estrus synchronization by controlled internal drug release device (CIDR) and adhesive transdermal progestin patch in postpartum beef cows. Theriogenology 100: 66-71.
4. Kajaysri J., Rungroekrit U. and Chumchoung C. 2016. Dietary yeast (*Saccharomyces cerevisiae*) probiotic for growth performance, body weight and semen quality enhancements in goats. Proceeding of the 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, August 22-25, Fukuoka, Japan, 813-816.
5. Kajaysri J., Chumchoung C. and Photikanit G. 2015. Estrus and ovulation responses in anestrus postpartum swamp buffaloes following synchronization with controlled internal drug release device and prostaglandin F<sub>2α</sub> based protocols. Buffalo Bull. 34(3): 357-368.
6. Kajaysri J., Chumchoung C. and Sophon S. 2015. Efficiency of difference doses of pregnant mare's serum gonadotropin on superovulations in meat goats. Proceedings of the 5th International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC2015), October 27-30, Pattaya, Chonburi, Thailand, 496-498.
7. Kajaysri J., Jasanchuen A., Mitchaothai J. and Thammakarn C. 2014. The efficacy of vaccination (Mastivac®) for preventing mastitis on dairy cows. Proceedings of the 16th AAAP Animal Science Congress Vol. II 10-14 November 2014, Gadjah Mada University, Yogyakarta, Indonesia: 2206-2209.

8. Kajaysri J. and Nokkaew W. 2014. Assessment of Pregnancy Status of Asian Elephants (*Elephas maximus*) by Measurement of Progestagen and Glucocorticoid and Their Metabolite Concentrations in Serum and Feces, Using Enzyme Immunoassay (EIA). *J. Vet. Med. Sci.* 76(3): 363–368.
9. Kajaysri J. and Thammakarn C. 2012. Estrus Synchronization Using Intravaginal Medroxyprogesterone Acetate (MAP), MAP Plus Prostaglandin F<sub>2α</sub>, Controlled Internal Drug Release (CIDR) or CIDR Plus Prostaglandin F<sub>2α</sub> in Saanen Dairy Goats in Thailand. *Kasetsart J. (Nat. Sci.)* 46(1): 71–79.
10. Kajaysri J., Chaikhun T. and Thammakarn C. 2010. Case report: Ultrasonography and progesterone determination for Luteal cysts in conjunction with persistent corpus luteum in dairy cow and treatment by hCG with prostaglandin F<sub>2α</sub>. *KKU. Vet. J.* 20(2): 226-233.
11. Kajaysri J. 2008. Case report: The Caseous Lymphadenitis on individual breeder goat farm in Nong-chock district, Bangkok province, Thailand. *J. Mahanakorn Vet. Med.* 3(2): 51-58.
12. Kajaysri J. 2006. Comparison of estradiol concentrations and conception rate between cows with different estrus behaviors. *KKU. Vet. J.* 16(3): 15-22.
13. Kajaysri J., Sangsakul K. and Ratanadheb C. 2006. Comparison study on response of estrus induction in dairy cows by intramuscular, intraischiorectal fossa and intravulvosubmucosa injection of prostaglandin F<sub>2</sub> alpha. *J. Thai Vet. Med. Assoc.* 57(2): 33-41.
14. Kajaysri J., Boos A. and Grunert E. 1999. Quantitative echotexture analysis of the bovine corpus luteum: structural and functional implications. 32nd Conference on Physiology and Pathology of Reproduction. In: *Reprod. Domest. Anim.* 34(1): 23.

ภาระงานสอนในหลักสูตรนี้

รหัสรายวิชา

MSAB0721

MSAB0722

ชื่อรายวิชา

Animal Biotechnology Seminar I

Animal Biotechnology Seminar II

3. ผศ.สพ.ญ.ดร.อรยา สีบจำเปชร  
ตำแหน่งทางวิชาการ ..... ผู้อำนวยการสถาบันฯ .....

วุฒิ ทุกระดับ	สาขาวิชาเอก	สถาบันที่สำเร็จการศึกษา	ปีที่สำเร็จ การศึกษา
ปร.ด.	กายวิภาคศาสตร์	มหาวิทยาลัยมหิดล	2548
สพ.บ.	-	มหาวิทยาลัยเกษตรศาสตร์	2539

#### ผลงานทางวิชาการ การค้นคว้า วิจัย หรือการแต่งตำรา

- ณัฐภรณ์ นายนมอน อิติชัย จากรุเดชา และ อารยา สีบจำเปชร. 2018. ประสิทธิภาพของสารสกัดหมายในมะเขือพวงต่อเชื้อ *Staphylococcus* spp. ที่เก็บจากผิวนังสุนัขและมือเจ้าของสุนัข. *J. Mahanakorn Vet. Med.* 2018. 13(2): 199-211.
- Suebkhampet A. Canine cutaneous mast cell tumor: diagnosis and prognosis. *J. Mahanakorn Vet. Med.* 2016. 11(2): 159-176.
- Naimon N, Pongchairerk U and Suebkhampet A. Phytochemical Analysis and Antibacterial Activity of Ethanolic Leaf Extract of *Solanum torvum* Sw. Against Pathogenic Bacteria. *Kasetsart J. (Nat. Sci.)* 49: 516 - 523 (2015)
- Suebkhampet A, Sotthibandhu P. and Chansaenroj A. Butterfly Pea Flower Extract as a Dye on Dog Vaginal Smear Staining. The <sup>8th</sup> MUT Veterinary Medicine Conference 2014. Faculty of Veterinary Medicine, Mahanakorn University of Technology, Thailand. November, 14-15, 2014.
- Naimon N, Pongchairerk U and Suebkhampet A. Effect of Ethanolic Extract of *Solanum torvum* Sw. Leaves on Wound Healing in Mouse. 37th Annual Conference of the Anatomy Association of Thailand 7th – 9th May 2014. The Cultural Center of Lower Northern Region, Phitsanulok, Thailand.
- Suebkhampet A, Sotthibandhu P. Effect of using aqueous crude extract from butterfly pea flowers (*Clitoria Ternatea* L.) as a dye on animal blood smear staining. *Suranaree J. Sci. Technol.* 2012. 19(1)
- Suebkhampet A, Sotthibandhu P. Effect of Mordants on Stain Stability of Aqueous Crude Extract from Butterfly Pea Flowers stained on Animal Blood and Buffy Coat Smears. The 6<sup>th</sup> MUT Veterinary Medicine Conference 2012. Faculty of Veterinary Medicine, Mahanakorn University of Technology, Thailand. August, 23-24, 2012.

#### ภาระงานสอนในหลักสูตรนี้

รหัสรายวิชา

MSAB0704

ชื่อรายวิชา

Advanced Cell Biology

5. ผศ.น.สพ.ดร.ศักดิ์ชัย เรือนเพชร  
 ตำแหน่งทางวิชาการ ..... ผู้อำนวยการสถาบันฯ .....

วุฒิ ทุกระดับ	สาขาวิชาเอก	สถาบันที่สำเร็จการศึกษา	ปีที่สำเร็จ การศึกษา
Ph.D.	Immunology, Virology and Molecular Techniques	Tokyo University of Agriculture and Technology, Japan	2555
สพ.บ.	-	มหาวิทยาลัยเทคโนโลยีมหานคร	2543
วท.บ.	สัตวศาสตร์	สถาบันเทคโนโลยีพระจอมเกล้าเจ้าคุณทหารลาดกระบัง	2539

ผลงานทางวิชาการ การค้นคว้า วิจัย หรือการแต่งตำรา

1. Tippawan Jantafong, Sakchai Ruenphet, Darsaniya Punyadarsaniya and Kazuaki Takehara, 2018. The study of effect of didecyl dimethyl ammonium bromide on bacterial and viral decontamination for biosecurity in the animal farm. *Veterinary World*, 11(5): 706-711. doi: 10.14202/vetworld.2018.706-711
2. Sorawot Sonthipet, Sakchai Ruenphet and Kazuaki Takehara. 2018. Bactericidal and virucidal efficacies of potassium monopersulfate and its application for inactivating avian influenza virus on virus-spiked clothes. *J. Vet. Med. Sci.*, 80(4): 568-573.
3. Natthanan Sangsriratanakul, Chiharu Toyofuku, Mayuko Suzuki, Miyuki Komura, Masashi Yamada, Md. Shahin Alam, Sakchai Ruenphet, Dany Shoham, Kouji Sakai and Kazuaki Takehara. 2018. Virucidal efficacy of food additive grade calcium hydroxide against surrogate of human norovirus. *Journal of Virological Methods*. 251: 83-87.
4. Tippawan Jantafong and Sakchai Ruenphet. 2018. Single-step RT-PCR A Method to Detect and Subtyping of Foot and Mouth Disease Virus (FMDV) Serotype O, A and Asia 1. Proceedings of the 1 International Conference on Veterinary and Animal Sciences 2017, February 2<sup>nd</sup>, 2018.
5. Sakchai Ruenphet, Darsaniya Punyadarsaniya and Tippawan Jantafong. 2017. Longitudinal Study on Antibodies Detection against Porcine Reproductive and Respiratory Syndrome Virus in Vaccinated Fattening Pigs by Various Enzyme-linked Immunosorbent Assay Test Kits. *J. Mahanakorn Vet. Med.* 12(1): 92-102.
6. Sakchai Ruenphet, Kornkamon Paditporn and Jamlong Mitchaothai. 2017. Humoral Immune response against Infectious Bursal Disease Using Live Attenuated, Live Immune Complex and Recombinant Vaccine in Broilers with High Maternal Derived Antibody Level. *J. Mahanakorn Vet. Med.* 12(1): 11-18.
7. Kittima Lorcharoenrungroj, Kazuaki Takehara, Sakchai Ruenphet. 2016. Studies on fresh charcoal ash to inactivate avian influenza virus, *Escherichia coli* and *Salmonella infantis* for biosecurity enhancement on chicken farms. The 9<sup>th</sup> MUT Veterinary Annual Conference 2016. Bangkok, Thailand. (Nov 11-12, 2016).
8. Kornkamon Paditporn, Sakchai Ruenphet, Kazuaki Takehara. 2016. Comparison of virucidal effects for the Newcastle disease virus between slaked lime and the food additive calcium hydroxide. The 9<sup>th</sup> MUT Veterinary Annual Conference 2016. Bangkok, Thailand. (Nov 11-12, 2016).

9. Sakchai Ruenphet and Kazuaki Takehara. 2014. Detection of Newcastle Disease Virus-specific Antibodies in Ostrich Sera by Various Serological Methods. *J. Mahanakorn Vet. Med.* 9(1): 11-21.
10. Chanathip Thammakarn, Keisuke Satoh, Atsushi Suguro, Hakimullah Hakim, Sakchai Ruenphet and Kazuaki Takehara. 2014. Inactivation of Avian Influenza Virus, Newcastle Disease Virus and Goose Parvovirus Using Solution of Nano-Sized Scallop Shell Powder. *J. Vet. Med. Sci.* 76(9): 1277-1280.
11. Sakchai Ruenphet, Darsaniya Punyadarsaniya, Pakawadee Kumpolngam, Jamlong Mitchaothai and Kazuaki Takehara. 2014. Efficacy, Sensitivity and Stability of Bestaquam-S® against Virulent Newcastle Disease Viruses and Low Pathogenic Avian Influenza Viruses. Proceedings of the 16th AAAP Animal Science Congress Vol. II 10-14 November 2014, Gadjah Mada University, Yogyakarta, Indonesia. pp.2444-2447.
12. Sakchai Ruenphet, Jamlong Mitchaothai, Darsaniya Punyadarsaniya, Pakawadee Kumpolngam, Katsushige Takahashi, Akihiro Tsuchiya, Tadashi Yanaka, Motonobu Yoshida and Kazuaki Takehara. 2014. Correlation of ELISA test kits for Porcine Reproductive and respiratory syndrome (PRRS) antibody detection using sera from unvaccinated pig farms in Thailand. *J. Mahanakorn Vet. Med.* 2014 ; 9(2): 159-171.
13. Darsaniya Punyadarsaniya, Bussarakarn Chuppava, Sakchai Ruenphet and Pakawadee Kumpolngam. 2014. Comparison between Live/Dead Staining and WST-1Cell Proliferation Assay to Assess Viability of Porcine Airway Ciliated Epithelial Cells. Proceedings of the 8<sup>th</sup> MUT Veterinary Annual Conference 2014, November 14<sup>th</sup>-15<sup>th</sup>, 2014.
14. Sakchai Ruenphet and Kazuaki Takehara. 2013. Transmission Study of Newcastle Disease Virus from Vaccinated Birds to Unvaccinated Birds using Live Vaccine. *J. Mahanakorn Vet. Med.* 8(1): 29-35.
15. Chanathip Thammakarn, Misato Tsujimura, Keisuke Satoh, Tomomi Hasegawa, Miho Tamura, Akinobu Kawamura, Yuki Ishida, Atsushi Suguro, Hakimullah Hakim, Sakchai Ruenphet and Kazuaki Takehara. 2013. Efficacy and Stability of Ceramic Powder to Inactivate Avian Influenza Virus. World Academy of Science, Engineering and Technology International Journal of Medical, Pharmaceutical Science and Engineering Vol. 7 No. 9. pp.489-491.
16. Tomomi Hasegawa, Miho Tamura, Keisuke Satoh, Misato Tsujimura, Akinobu Kawamura, Chanathip Thammakarn, Hakimullah Hakim, Sakchai Ruenphet and Kazuaki TAKEHARA. 2013. Inactivation of Goose Parvovirus, Avian Influenza Virus and Phage by Photocatalyst on Polyethylen Terephthalate Film under Light Emitting Diode (LED). *J. Vet. Med. Sci.* 75(8): 1091-1093.
17. Darsaniya Punyadarsaniya, Bussarakarn Chuppava, Sakchai Ruenphet and Pakawadee Kumpolngam, Viability of Porcine Airway Epithelial cells with Live/Dead Staining assay. Proceedings of the 7<sup>th</sup> MUT Veterinary Annual Conference 2013, November 22<sup>th</sup>, 2013.
18. Pakawadee Kumpolngam, Sakchai Ruenphet, Darsaniya Punyadarsaniya and Jamlong Mitchaothai. Study on efficacy of Bio-disinfectants against Newcastle disease virus. Proceedings of the 7<sup>th</sup> MUT Veterinary Annual Conference 2013, November 22<sup>th</sup>, 2013.
19. Sakchai Ruenphet. 2012. Newcastle disease in Ostriches (*Struthio camelus*): epidemiology and immunologic examination. *J. Mahanakorn Vet. Med.* 7(2): 99-108.

**ภาระงานสอนในหลักสูตรนี้**

<u>รหัสรายวิชา</u>	<u>ชื่อรายวิชา</u>
MSAB0703	Research Techniques in Biotechnology
MSAB0721	Animal Biotechnology Seminar I
MSAB0722	Animal Biotechnology Seminar II