

CURRICULUM VITAE

Padet Tummaruk

DVM (Hons), MVSc, PhD, Professor

1. Background

Surname Tummaruk

First name Padet

Sex

Date of birth

Place of birth

Nationality

Marital Status

Address

Home address

Employment

Present position

Tummaruk, Padet

 Chulalongkorn University, Bangkok, Thailand

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2,691

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174

Documents

29

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ORCID ID: <https://orcid.org/0000-0001-7000-4371>

2. Education/ degree

Degree	Period	Place
Doctor of Veterinary Medicine (DVM, Honor)	Jun 1991 – Jun 1997	Faculty of Veterinary Science, Chulalongkorn University, Bangkok
Master of Veterinary Science (MVSc)	Sep 1997 – Mar 1999	Department of Obstetrics and Gynaecology, Faculty of Veterinary Medicine, SLU, Uppsala, Sweden.
PhD, Doctoral Degree in Veterinary Medicine	20 th April 2001	Department of Obstetrics and Gynaecology, Faculty of Veterinary Medicine, SLU, Uppsala, Sweden.

3. Work experience

Position	Period	Place
Lecturer	2001 – 2003	Faculty of Veterinary Science, Chulalongkorn University, Bangkok
Assistant Professor	2004 – 2006	Faculty of Veterinary Science, Chulalongkorn University, Bangkok
Associate Professor	2007 – 2014	Faculty of Veterinary Science, Chulalongkorn University, Bangkok
Professor	2014 – present	Faculty of Veterinary Science, Chulalongkorn University, Bangkok

3. Awards

- 2023 Researcher Ranked in the Top 2% Worldwide for Research Output and Citations in the Elsevier Database in 2023.
- 2023 The Thailand Research Fund Senior Scholar 2023 (N42A66089)
- 2022 Researcher Ranked in the Top 2% Worldwide for Research Output and Citations in the Elsevier Database in 2022.
- 2019 National Outstanding Researcher Award (Agriculture and Biology Category) for the Fiscal Year 2019, presented by the National Research Council of Thailand (NRCT).
- 2019 Role Model Lecturer Award 2019 in the Health Sciences Category, presented by the Chulalongkorn University Faculty Senate.
- 2019 The Thailand Research Fund Senior Scholar 2019 (RTA6280013)
- 2516 A grant for International Research Integration: Chula Research Scholar, Ratchadaphiseksomphot Endowment Fund, Thailand (CU-GRS-60-11-31-01), 2016–2018
- 2015 Distinguished Alumni Award 2015 in the Academic Achievement Category, presented by the Chulalongkorn University Faculty of Veterinary Science Alumni Association.

4. Publications

Thesis

1. **Tummaruk, P.**, 1999. Factors influencing sow reproductive performance with special reference to season and parity. Master of Veterinary Sciences Thesis, Swedish University of Agricultural Sciences, Uppsala, Sweden. 77 pp.
2. **Tummaruk, P.**, 2001. Reproductive performance of purebred Swedish Landrace and Swedish Yorkshire gilts and sows: A retrospective statistical study with special reference to age at first mating, season, parity and weaning-to-first-service interval. Doctoral Thesis, Acta Universitatis Agriculturae Sueciae, Veterinaria 100 Printer: SLU Service/Repro, Uppsala 2001.

Book

1. อรรถนพ คุณวาทย์กฤต มงคล เตชะกำพุ วิชัย ทันทศุภารักษ์ **เผด็จ ธรรมรักษ์** 2005 (2548) “คู่มือฟาร์มสุกร” สำนักพิมพ์โลกปศุสัตว์และสุกร ลาดกระบัง กรุงเทพฯ ปีที่พิมพ์ พ.ศ. 2548 128 หน้า
2. **Control of Pig Reproduction XI**: Edited by Clay A. Lents, Parrilla and Agnieszka Waclawik. Molecular Reproduction and Development ISSN 1040-452X. Volume 90 Issue 7, July 2023.
3. **Animal Perinatology**: Behavior and Health of the Dam and Her Offspring. Edited by Daniel Mota-Rojas, Julio Martínez-Burnes and Agustín Orihuela. Special Issue. MDPI Press., Basel, Switzerland.

Review articles

1. **เผด็จ ธรรมรักษ์** วิชัย ทันทศุภารักษ์ มงคล เตชะกำพุ อรรถนพ คุณวาทย์กฤต 2001 (2544) ปัจจัยที่มีผลกระทบต่อ การเข้าสู่วัยเจริญพันธุ์ของสุกรสาวและหลักการเพิ่มประสิทธิภาพการผสมพันธุ์สุกรสาวทดแทน เวชสารสัตว- แพทย์ 31 (4): 13-22 <https://doi.org/10.56808/2985-1130.1860>
2. **เผด็จ ธรรมรักษ์** วิชัย ทันทศุภารักษ์ มงคล เตชะกำพุ อรรถนพ คุณวาทย์กฤต 2002 (2545) ระยะหย่านมถึงผสม: นัยสำคัญต่อประสิทธิภาพทางการสืบพันธุ์ในแม่สุกรและแนวทางในการเพิ่มประสิทธิภาพการผสมพันธุ์ในแม่สุกร หลังหย่านม เวชสารสัตวแพทย์ 32 (2): 13-21 <https://doi.org/10.56808/2985-1130.1873>

3. **เผด็จ ธรรมรักษ์** วิชัย ทันตศุการักษ์ มงคล เตชะกำพุ อรรถนพ คุณาวงษ์กฤต 2002 (2545) ผลของฤดูกาลต่อสมรรถภาพทางการสืบพันธุ์ในแม่สุกร เวชสารสัตวแพทย์ 32 (3): 19-31 <https://doi.org/10.56808/2985-1130.1880>
4. **เผด็จ ธรรมรักษ์** วิชัย ทันตศุการักษ์ มงคล เตชะกำพุ อรรถนพ คุณาวงษ์กฤต 2002 (2545) ปัจจัยที่มีผลกระทบต่อขนาดครอกในแม่สุกรพันธุ์แท้ เวชสารสัตวแพทย์ 32 (supplement): 63-78
5. กัมพล แก้วเกษ **เผด็จ ธรรมรักษ์** 2002 (2545) บทบาทและความสำคัญของน้ำเลี้ยงเชื้ออสุจิต่อการผสมเทียมในสุกร เวชสารสัตวแพทย์ 32 (4): 21-32 <https://doi.org/10.56808/2985-1130.1889>
6. มงคล เตชะกำพุ **เผด็จ ธรรมรักษ์** วิชัย ทันตศุการักษ์ อรรถนพ คุณาวงษ์กฤต 2002 (2545) ความก้าวหน้าของเทคโนโลยีชีวภาพทางการสืบพันธุ์ในสุกร เวชสารสัตวแพทย์ 32 (supplement): 7-20
7. อรรถนพ คุณาวงษ์กฤต ชัยณรงค์ ภูมิรัตนประพิณ **เผด็จ ธรรมรักษ์** วิชัย ทันตศุการักษ์ มงคล เตชะกำพุ 2002 (2545) ความสัมพันธ์ระหว่างความหนาไขมันสันหลังกับสภาพความสมบูรณ์ของรูปร่างที่มีผลต่อสมรรถภาพการสืบพันธุ์ในแม่สุกร เวชสารสัตวแพทย์ 32 (supplement): 21-32
8. **เผด็จ ธรรมรักษ์** 2003 (2546) การตรวจสอบ: กุญแจสำคัญในการเพิ่มประสิทธิภาพการผสมพันธุ์ในสุกร เวชสารสัตวแพทย์ 33 (3): 35-42 <https://doi.org/10.56808/2985-1130.1926>
9. เต็มพงศ์ วงศ์ตะวัน พีระพงศ์ สาราญทรัพย์ **เผด็จ ธรรมรักษ์** 2005 (2548) การผสมเทียมแบบปล่อยน้ำเชื้อเข้ามดลูกในสุกร: เทคนิค การนำไปใช้ และข้อจำกัด เวชสารสัตวแพทย์ 35 (3): 11-20 <https://doi.org/10.56808/2985-1130.2009>
10. **Tummaruk, P.**, Roongsitthichai, A., De Rensis, F. 2011. Ovulation induction in sows. Thai Journal of Veterinary Medicine 41 (supplement): 19-23.
11. De Rensis, F., Saleri, R., **Tummaruk, P.**, Techakumphu, M., Kirkwood, R.N. 2012. Prostaglandin F2 α and control of reproduction in female swine: a review. Theriogenology 77: 1-11. <https://doi.org/10.1016/j.theriogenology.2011.07.035>
12. Roongsitthichai, A., **Tummaruk, P.** 2014. Importance of backfat thickness to reproductive performance in female pigs. Thai Journal of Veterinary Medicine 44(2): 171-178. <https://doi.org/10.56808/2985-1130.2557>
13. Muns, R., Nuntapaitoon, M., **Tummaruk, P.** 2016. Non-infectious causes of pre-weaning mortality in piglets. Livestock Science 184: 46-57. <http://dx.doi.org/10.1016/j.livsci.2015.11.025>
14. Muns Vila, R., **Tummaruk, P.** 2016. Management strategies in the farrowing house to improve piglet pre-weaning survival and growth. Thai Journal of Veterinary Medicine 46(3): 347-354. <https://doi.org/10.56808/2985-1130.2748>
15. **Tummaruk, P.**, De Rensis, F., Kirkwood, R.N. 2023. Managing prolific sows in tropical environments. Molecular Reproduction and Development 90: 533-545. <https://doi.org/10.1002/mrd.23661>
16. De Rensis, F., Dall'Olio, E., Gnemmi, G.M., Tummaruk, P., Andrani, M., Saleri, R. 2024. Interval from oestrus to ovulation in dairy cows—A key factor for insemination time: a review. Veterinary Sciences 11: 152. <https://doi.org/10.3390/vetsci11040152>.
17. Andrani, M., Dall'Olio, E., De Rensis, F., **Tummaruk, P.**, Saleri, R. 2024. Bioactive peptides in dairy milk: Highlighting the role of melatonin. Biomeolecules 14: 934. <https://doi.org/10.3390/biom14080934>
18. Adi, Y.K., Kirkwood, R.N., **Tummaruk, P.** 2024. Farrowing performance and piglet characteristics of highly prolific sows in a tropical environment. Thai Journal of Veterinary Medicine 54(4): 8. <https://doi.org/10.56808/2985-1130.3761>
19. Ngo, C.B., Morrell, J.M., **Tummaruk, P.** 2025. Boar semen microbiome: Insights and potential implications. Animal Reproduction Science 272: 107647. <https://doi.org/10.1016/j.anireprosci.2024.107647>

Full articles

Thai language

1. กังสดาร พินสัมฤทธิ์ มรกต สุภารัตนสิทธิ์ อริสา โอปรสวัสดิ์ **เผด็จ ธรรมรักษ์** อรรณพ คุณาวงษ์กฤต 2004 อัตราการรอด การเจริญเติบโต น้ำหนักหย่านม และผลการเสริมมน้ำเหลืองในลูกสุกรน้ำหนักแรกคลอดต่ำ เวชสารสัตวแพทย์ 34 (1): 49-56 <https://doi.org/10.56808/2985-1130.1958>
2. วรวิทย์ อนุวงศ์นคราห์ ชาวพันธ์ ยินหาญมิ่งมงคล สุทธาทิพย์ พันธุ์เอี่ยม **เผด็จ ธรรมรักษ์** อรรณพ คุณาวงษ์กฤต 2004 ผลของลำดับครอก คะแนนรูปร่าง ความหนาไขมันสันหลัง และระยะหย่านมถึงผสมต่อเวลาตกไข่ในสุกร เวชสารสัตวแพทย์ 34 (2): 69-75 <https://doi.org/10.56808/2985-1130.1971>
3. วัชร สมวงษ์อินทร์ **เผด็จ ธรรมรักษ์** เดชฤทธิ์ นิลอุบล สิทธิโชค ลาขโรจน์ รุ่งโรจน์ ธนาวงษ์นุเวช 2007 (2550) ประสิทธิภาพของวัคซีนพี อาร์ อาร์ เอส ชนิดเชื้อเป็นสายพันธุ์อเมริกาในฝูงสุกรแม่พันธุ์ที่มีการติดเชื้อไวรัสพี อาร์ อาร์ เอส เชิงใหม่สัตวแพทย์สาร 5: 51-70

English

1. **Tummaruk, P.**, Lundeheim, N., Einarsson, S., Dalin, A.-M. 2000. Reproductive performance of purebred Swedish Landrace and Swedish Yorkshire sows: I. Seasonal variation and parity influence. *Acta Agriculturae Scandinavica, Section A — Animal Science* 50:205-216. <https://doi.org/10.1080/090647000750014331>
2. **Tummaruk, P.**, Lundeheim, N., Einarsson, S., Dalin, A.-M. 2000. Reproductive performance of purebred Swedish Landrace and Swedish Yorkshire sows: II. Effect of mating type, weaning-to-first-service interval and lactation length. *Acta Agriculturae Scandinavica, Section A — Animal Science* 50:217-224. <https://doi.org/10.1080/090647000750014340>
3. **Tummaruk, P.**, Lundeheim, N., Einarsson, S., Dalin, A.-M. 2000. Factors influencing age at first mating in purebred Swedish Landrace and Swedish Yorkshire gilts. *Animal Reproduction Science* 63:241-253. [https://doi.org/10.1016/S0378-4320\(00\)00184-6](https://doi.org/10.1016/S0378-4320(00)00184-6)
4. **Tummaruk, P.**, Lundeheim, N., Einarsson, S., Dalin, A.-M. 2001. Effect of birth litter size, birth parity number, growth rate, backfat thickness and age at first mating of gilts on their reproductive performance as sows. *Animal Reproduction Science* 66:225-237. [https://doi.org/10.1016/S0378-4320\(01\)00095-1](https://doi.org/10.1016/S0378-4320(01)00095-1)
5. **Tummaruk, P.**, Lundeheim, N., Einarsson, S., Dalin, A.-M. 2001. Reproductive performance of purebred Hampshire sows in Sweden. *Livestock Production Science* 68:67-77. [https://doi.org/10.1016/S0301-6226\(00\)00207-4](https://doi.org/10.1016/S0301-6226(00)00207-4)
6. **Tummaruk, P.**, Lundeheim, N., Einarsson, S., Dalin, A.-M. 2001. Repeat breeding and subsequent reproductive performance in Swedish Landrace and Swedish Yorkshire sows. *Animal Reproduction Science* 67:267-280. [https://doi.org/10.1016/S0378-4320\(01\)00129-4](https://doi.org/10.1016/S0378-4320(01)00129-4)
7. **Tummaruk, P.**, Tantilertcharoen, R., Pondeenana, S., Buabucha, P., Virakul, P. 2003. Effect of iron glycine chelate supplement on hemoglobin hematocrit and reproductive performance in sows. *Thai Journal of Veterinary Medicine* 33(4):45-53. <https://doi.org/10.56808/2985-1130.1943>
8. Razdan, P., **Tummaruk, P.**, Kindahl, H., Rodriguez-Martinez, H., Hulten, F., Einarsson, S. 2004. The impact of induced stress during days 13 and 14 of pregnancy on the composition of allantoic fluid and conceptus development in sows. *Theriogenology* 61(4):757-767. [https://doi.org/10.1016/S0093-691X\(03\)00252-8](https://doi.org/10.1016/S0093-691X(03)00252-8)
9. Razdan, P., **Tummaruk, P.**, Kindahl, H., Rodriguez-Martinez, H., Hulten, F., Einarsson, S. 2004. Hormonal profiles and embryo survival of sows subjected to induced stress during days 13 and 14 of pregnancy. *Animal Reproduction Science* 81:295-312. <https://doi.org/10.1016/j.anireprosci.2003.09.005>

10. **Tummaruk, P.**, Tantasuparuk, W., Techakumphu, M., Kunavongkrit, A. 2004. Effect of season and outdoor climate on litter size at birth in purebred Landrace and Yorkshire sows in Thailand. *Journal of Veterinary Medical Science* 66 (5):477-482. <https://doi.org/10.1292/jvms.66.477>
11. **Tummaruk, P.**, Suwimonteerabutr, J., Singlor, J., Tantasuparuk, W., Techakumphu, M., Kunavongkrit, A. 2004. The relationship between plasma and faecal progesterone in gilts. *Thai Journal of Veterinary Medicine* 34(3):93-101.
12. **Tummaruk, P.**, Tantasuparuk, W., Techakumphu, M., Kunavongkrit, A. 2004. A study on the farrowing rate of purebred Landrace and Yorkshire sows using a Generalized Linear Mixed model. *Thai J Vet Med* 34(3):25-32.
13. Tienthai, P., Sajjarengpong, K., **Tummaruk, P.** 2006. Morphological changes in the oviduct of culling replacement gilts. *Thai Journal of Veterinary Medicine* 36 (4): 41-53. <https://doi.org/10.56808/2985-1130.2059>
14. **Tummaruk, P.**, Tantasuparuk, W., Techakumphu, M., Kunavongkrit, A. 2007. Age, body weight and backfat thickness at first observed oestrus in crossbred Landrace x Yorkshire gilts, seasonal variations and their influence on subsequent reproductive performance. *Animal Reproduction Science* 99:167-181. <https://doi.org/10.1016/j.anireprosci.2006.05.004>
15. Sumransap, P., **Tummaruk, P.**, Kunavongkrit, A. 2007. Sperm distribution in the reproductive tract of sows after intrauterine insemination. *Reproduction in Domestic Animals* 42:113-117. <https://doi.org/10.1111/j.1439-0531.2006.00696.x>
16. **Tummaruk, P.**, Sumransap, P., Techakumphu, M., Kunavongkrit, A. 2007. Distribution of spermatozoa and embryos in the female reproductive tract after unilateral deep intra uterine insemination in the pig. *Reproduction in Domestic Animals* 42:603-609. <https://doi.org/10.1111/j.1439-0531.2006.00830.x>
17. Chatdarong, K., **Tummaruk, P.**, Sirivaidyapong, S., Raksil, S. 2007. Seasonal and breed effect on reproductive parameters in bitches in the tropics: a retrospective study. *Journal of Small Animal Practice* 48:444-448. <https://doi.org/10.1111/j.1748-5827.2007.00342.x>
18. Kanchanapangka, S., Supawong, S., Koedlab, K., Kaewpannarai, J., Khawnual, P., Tummaruk, P., Sajjarengpong, K. 2007. Body weight formulation in Asian elephant. *Thai Journal of Veterinary Medicine* 37(1):49-58. <https://doi.org/10.56808/2985-1130.2070>
19. **Tummaruk, P.**, Prapasarakul, N., Leethochawalit, R., Kunavongkrit, A. 2007. Colistin and bacitracin improve piglet performance. *Asian Pork February/March 2007*:55-57.
20. Buranaamnuay, K., Singlor, J., **Tummaruk, P.**, Techakumphu, M. 2008. The establishment of boar semen cryopreservation in Thailand: Post-thaw semen quality, sperm concentration and variation among ejaculates. *Thai Journal of Agricultural Science* 41:135-141.
21. Buranaamnuay, K., **Tummaruk, P.**, Singlor, J., Rodriguez-Martinez, H., Techakumphu, M. 2009. Effects of straw volume and Equex-STM® on boar sperm quality after cryopreservation. *Reproduction in Domestic Animals* 44:69-73. <https://doi.org/10.1111/j.1439-0531.2007.00996.x>
22. **Tummaruk, P.**, Tantasuparuk, W., Techakumphu, M., Kunavongkrit, A. 2009. The association between growth rate, body weight, backfat thickness and age at first observed oestrus in crossbred Landrace × Yorkshire gilts. *Animal Reproduction Science* 110:108-122. <https://doi.org/10.1016/j.anireprosci.2008.01.004>
23. **Tummaruk, P.**, Kesdangsakonwut, S., Kunavongkrit, A. 2009. Relationships among specific reason for culling, reproductive data and gross-morphology of the genital tracts in gilts culled due to reproductive failure in Thailand. *Theriogenology* 71:369-375. <https://doi.org/10.1016/j.theriogenology.2008.08.003>
24. Chanapiwat, P., Kaeoket, K., **Tummaruk, P.** 2009. Effects of DHA-enriched hen egg yolk and L-cysteine supplementation on quality of cryopreserved boar semen. *Asian Journal of Andrology* 11(5): 600-608. <https://doi.org/10.1038/aja.2009.40>
25. **Tummaruk, P.**, Sukhumavasi, W., Talummuk, S., Kunavongkrit, A. 2009. Detection of antibody titer against *Toxoplasma gondii* in aborted sows and gilts in a swine herd in Thailand. *Thai Journal of Veterinary Medicine* 39(4):325-335. <https://doi.org/10.56808/2985-1130.2193>
26. Preyapat, P., Charunmethee, P., Sinwat, P., Teamsuwan, Y., **Tummaruk, P.** 2009. Histopathology and distribution of inflammatory cells in the endometrium, cervix and vagina of gilts culled due to vaginal discharge. *Journal of Applied Animal Science* 2:33-45.

27. **Tummaruk, P.**, Tantilertcharoen, R., Prapasarakul, N. 2009. The use of herbal medicine as an alternative antimicrobial in the feed of post-weaning piglets: A field trial. *Journal of Applied Animal Science* 2(3):23-30.
28. **Tummaruk, P.**, Tienthai, P. 2010. Number of spermatozoa in the crypts of the sperm reservoir at about 24 h after a low dose intra-uterine and deep intrauterine insemination in sows. *Reproduction in Domestic Animals* 45:208-213. <https://doi.org/10.1111/j.1439-0531.2008.01205.x>
29. Buranaamnuay, K., **Tummaruk, P.**, Techakumphu, M. 2010. Intra-uterine insemination with low numbers of frozen-thawed boar spermatozoa in spontaneous and induced ovulating sows under field conditions. *Livestock Science* 131:115-118. <https://doi.org/10.1016/j.livsci.2010.03.010>
30. Tretipskul, C., Buranaamnuay, K., Koonjaenak, S., **Tummaruk, P.**, Techakumphu, M. 2010. The use of computer-assisted sperm analysis for discriminating a series of motility pattern of frozen-thawed boar semen. *Thai Journal of Veterinary Medicine* 40(1):25-30. <https://doi.org/10.56808/2985-1130.2203>
31. Teamsuwan, Y., Kaeoket, K., Tienthai, P., **Tummaruk, P.** 2010. Morphological changes and infiltration of immune cells in the endometrium of anoestrus gilt in relation to the ovarian appearance and serum progesterone. *Thai Journal of Veterinary Medicine* 40(1):31-40. <https://doi.org/10.56808/2985-1130.2204>
32. Srisuwatanasagul, S., **Tummaruk, P.**, Kunavongkrit, A. 2010. Studies of oestrogen and progesterone receptors in reproductive organs of prepubertal gilts with reproductive disturbance. *Thai Journal of Veterinary Medicine* 40(1):15-24. <https://doi.org/10.56808/2985-1130.2202>
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Proceedings

National

1. **เฟด็จ ธรรมรักษ์** ดนัย งานโคกสูง ดวงใจ บุญพล นพรัตน์ หาสุข ณวีร์ ประภัสสรกุล 2004 ผลของการใช้ยาโคลิสตินร่วมกับเบซิทรานซินในสุกรอนุบาลต่อจำนวนเชื้อ *E. coli* *Enterococcus* spp. และ *Lactobacillus* spp. ประมวลบทความวิชาการประชุมวิชาการทางสัตวแพทย์และการเลี้ยงสัตว์ครั้งที่ 30 กรุงเทพฯ 10-12 พฤศจิกายน 2547 หน้า 111-112

2. **เผด็จ ธรรมรักษ์** รัตน์ชัย ลีโทวลิต อรรณพ คุณาวงษ์กฤต 2004 ผลของการใช้ยาโคลิสตินร่วมกับเบซิทรานซินต่อการกินอาหาร การเจริญเติบโต ประสิทธิภาพการใช้อาหาร และน้ำหนักตัวในสุกรอนุบาล ประมวลบทความวิชาการประชุมวิชาการทางสัตวแพทย์และการเลี้ยงสัตว์ครั้งที่ 30 กรุงเทพฯ 10-12 พฤศจิกายน 2547 หน้า 113-114
3. **พิรพงษ์ สำราญทรัพย์ เผด็จ ธรรมรักษ์** อรรณพ คุณาวงษ์กฤต 2004 การกระจายตัวของสูกิจภายหลังการผสมเทียมแบบการสอดท่อเข้ามดลูกและเข้าปีกมดลูกในแม่สุกร ประมวลบทความวิชาการประชุมวิชาการทางสัตวแพทย์และการเลี้ยงสัตว์ครั้งที่ 30 กรุงเทพฯ 10-12 พฤศจิกายน 2547 หน้า 115-116
4. **อำนาจ โทษะรินทร์ เกียรติศักดิ์ หัวหมื่น มนตรี ภาคะ ญวีร์ ประภัสระกุล เผด็จ ธรรมรักษ์** 2004 การศึกษาเบื้องต้นการตรวจแยกเชื้อและความชุกของโรคบิดมูกเลือดในสุกรที่แสดงอาการท้องเสีย ประมวลบทความวิชาการประชุมวิชาการทางสัตวแพทย์และการเลี้ยงสัตว์ครั้งที่ 30 กรุงเทพฯ 10-12 พฤศจิกายน 2547 หน้า 119-120
5. **เกวลี ฉัตรตรงค์ สุดสรร ศิริไวยพงษ์ เผด็จ ธรรมรักษ์ สมศักดิ์ รักศิลป์** 2004 ผลของพันธุ์และฤดูกาลต่อสมรรถภาพทางการสืบพันธุ์ในสุนัขใช้งาน ประมวลบทความวิชาการประชุมวิชาการทางสัตวแพทย์และการเลี้ยงสัตว์ครั้งที่ 30 กรุงเทพฯ 10-12 พฤศจิกายน 2547 หน้า 125-126
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