

CIRRICULUM VITAE

NAME: Thuchadaporn Chaikhun Marcou
ผศ.สพ.ญ.ดร.ธัชฎาพร ไชยคุณ-มาร์ คูว

HOME:

EDUCATIONAL BACKGROUND

LEVEL	YEAR	PLACE	DEGREE
Bachelor degree	1999–2005	Chiangmai University	D.V.M (1 st Class Honor) GPA 3.63 Special problem topic: Factors associated with subclinical mastitis in postparturient cow in Chiangmai province
Master degree	2005–2008	Chulalongkorn University	MS. (Theriogenology) GPA 3.65 Thesis topic: Efficiency of ovulation synchronization and fix-timed artificial insemination program in swamp buffaloes in small holder farms

Doctoral degree	2010–2016	Chulalongkorn University	Ph.D. (Theriogenology) GPA 4.00 Thesis topic: Role of kisspeptin on hypothalamic pituitary ovarian axis in buffalo cow reproduction
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WORK EXPERIENCES:

YEAR	PLACE	POSITION	JOB DESCRIPTION
2005–2006	Thai Dairy Development Co.,Ltd.	Veterinarian	Embryo transfer in cattle staff (planning, action, collaborate with farms and co-workers)
2007–present	Faculty of Veterinary Medicine, Mahanakorn University of Technology	Lecturer	Lecture and veterinary service in theriogenology, veterinary nursing and ruminant herd health

LANGUAGES:

LANGUAGE	READ	SPEAK	WRITE
Thai	Excellence	Excellence	Excellence
English	Very good	Very good	Very good

SPECIALIZED FIELD: Animal reproduction (Ruminants especially buffalo), Ruminant herd health management and Livestock semen center management

UNIVERSITY LECTURER RESPONSIBILITIES (2023):**Veterinary Medicine Course:**

1. VMCS4261 Obstetrics, Gynecology, Andrology and Theriogenology Clinic
2. VMCS4262 Laboratory and Practice in Obstetrics, Gynecology, Andrology and Theriogenology
3. VMCL5051 Obstetrics, Gynecology, Andrology and Animal Biotechnology Clinic
4. VMCL6052 Clinical Practice in Obstetrics, Gynecology, Andrology and Animal Biotechnology
5. VMCL6262 Seminar in Animal Health

Master Degree Course (Animal Biotechnology Master of Science):

1. ABMS0702 Biotechnology in Animal Production
2. ABMS0804 Cryopreservation of Gamete and Embryo of Animals

Veterinary Nursing Course:

1. VMVN1104 Animal Genetics and Breeding

2. VMVN2105 Practice of Veterinary Nursing I
3. VMVN3210 Nursing Care of Veterinary Medicine
4. VMVN4101 Practice and Veterinary Nursing Care for Ruminant
5. VMVN4201 Professional Experiences in Veterinary Nursing Care for Large Animals

Research Project Advisor (2023):

Bachelor's degree

1. Effect of V-MUT mineral block supplement on ovarian resumption in postpartum swamp buffaloes
2. Incidence and factors associated with urine crystals in urine samples from swamp buffalo contestants at Thai agricultural festivals in December 2023
3. Case Study: Murrah Buffalo Mastitis Problem Solving by Integrated Veterinary Nursing Management in Thailand
4. Investigation of antimicrobial resistance situation in dairy buffalo farms in Thailand

Master's degree

1. Investigation of Neosporosis seroprevalence in buffalo farms in Eastern Thailand
2. Relationship of vaginal cytology, hormonal profiles and estrous cycle in imported pony mares in Thailand

UNIVERSITY ADMINISTRATION POSITION:

1. Director of Large Animal Teaching Hospital (2008–2009)
2. Head of Clinical Department (2010–2011)
3. Assistant Dean for International Academic Relations (February 2015 – January 2017)
4. International collaborator between MUT and University of Parma, Italy and USA institutes (2015–present)
5. Veterinary nursing course corresponding committee (2018 – present)
6. Veterinary Research Committee (2020 – present)

PROFESSIONAL AFFILIATION:

1. Member of The Thai Veterinary Association (2005– present)
2. Thai Veterinary Consultant for Beef Farms (2011– present)
3. Thai Veterinary Consultant for Dairy cattle and goat farms and production (2011– present)
4. Committee member of The Thai Veterinary Continuing Education Center, Veterinary Council (2010–2016)
5. Committee member The Thai Veterinary Knowledge Evaluation Center, Veterinary Council (2016– present)
6. Official delegate of Thailand for The International Buffalo Federation (2017– present)
7. Member of The Endocrine Society (2015–2019)
8. Member of The International Embryo Technology Society (2017–2019)
9. Accountant and committee member of The Thai Ruminant Veterinary Association (2018–present)
10. Certified member of The Thai Board of Theriogenology (2020–present)

11. Committee member of The Thai Board of Theriogenology (2023– present)

PROFESSIONAL EXPERIENCE:

Reproductive biotechnology and herd health management in ruminants since 2005 and buffalo reproduction since 2006.

PRESENT RESEARCH TOPICS:

- Genomic characters for productive and reproductive performances
- Improvement of reproductive performance, herd health management and heat stress control in buffalo
- Ovulation synchronization and fix-timed artificial insemination in buffalo
- Postpartum infertility in buffalo
- Fertility in buffalo bulls
- Neosporosis, Cryptosporidiosis, Leptospirosis and Trypanosomiasis in buffalo
- Neuroendocrinology and physiology in buffalo: In situ hybridization and immunohistochemistry of proteins and receptors related with reproduction in buffalo (example; kisspeptin, GnRH, estrogen, progesterone and its receptors)

HEAD RESEARCH PROJECT:

1) Physiological changes in Ovsynch treated swamp buffaloes: sponsored by Senior Researcher Program from Thailand Research Fund and Mahanakorn University of Technology research fund in 2007–2008

2) Reproductive Physiological Changes and Efficiency of CIDR–B Application on Estrous and Ovulation Synchronization in Thai Swamp Buffaloes: sponsored by Pfizer (Thailand) Ltd. Co. in 2011–2012

CO–RESEARCH PROJECT:

1) Role of kisspeptin in puberty control in Thai swamp buffalo heifers: sponsored by Thailand Research Fund in 2014–2016

2) High Quality Swamp Buffalo Production: sponsored by Agricultural Research Development agency (Public Organization) in 2016–2020

RESEARCH AWARD:

Second place oral presentation entitle “*Efficiency of ovulation synchronization and fix-timed artificial insemination program in swamp buffaloes in small holder farms*”. At The 2nd Federation of Asian Small Animal Veterinary Association Congress 2009 in conjunction with The 35th Veterinary Medicine of Livestock Development Annual Conference 2009.

TRAINING CREDENTIALS

2005 International Reproductive Biotechnology Training, Chulalongkorn University, Bangkok, Thailand

2011 Veterinary Practitioner of Dairy Cattle, Beef Cattle and Dairy Goat, Department of Livestock Development, Bangkok, Thailand

2015 Statistical analysis for laboratory animal, National Research Council of Thailand, Bangkok, Thailand

2017 The 3rd International Buffalo Federation Training on Buffalo management and Industry, Italy
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PUBLICATION LISTS FROM 2005 TO PRESENT (2024)
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Invited speaker

1. **Chaikhun–Marcou, T. 2015.** *Thailand Efforts to Create a Sustainable Buffalo Agro–Economy utilizing Basic Veterinary Science Knowledge.* In: Proceeding of the 5th SAADC 2015 on October 27–30, 2015. Dusit Thani Pattaya Hotel, Thailand. Page 29.

Publication

1. **Chaikhun, T.,** Surawong, S., Boonyayatra, S. and Suriyasathaporn, W. 2005. *Factors associated with subclinical mastitis in postparturient Lactating cows in Chiang mai and Lumphun provinces.* Chiang Mai Veterinary Journal. 3:3. page31–42.

2. **Chaikhun, T.** and Lohachit, C. 2006. *Induce parturition in bitch.* The Journal of Thai Veterinary Practitioners. 18:1. page 13–19.

3. **Chaikhun, T.,** Tharasanit, T., Rattanatep, J., De Rensis, F. and Techakumphu, M. 2010. *Fertility of swamp buffalo after synchronization of ovulation by sequential GnRH and PGF administration (ovsynch) and fixed–timed artificial insemination.* Theriogenology. 74: 1371–1376.

4. **Kajaysri, J., Chaikhun, T.,** Thammakarn, C. 2011. *Ultrasonography and Progesterone Determination for Luteal Cysts in Conjunction with Persistent Corpus Luteum in Dairy Cow and Treatment by hCG with Prostaglandin F2alpha.* KKU Veterinary Journal, 20:2, page 226–233.

5. **Chaikhun, T.,** De Rensis, F., Techakumphu, M., Suadsong, S. 2011. *Efficiency of CIDR–B Application on Follicular Response, Ovulation Time and Synchronization Rate in Thai Swamp Buffaloes.* In proceeding of the Joint Symposium of Thai and Japanese Societies for Animal Reproduction, Bangkok, Thailand, 29th–30th September, 2011. Thai J. Vet. Med. Vol.41 (supplement). Page 121.

6. **Chaikhun, T.,** Hengtrakunsin, R., De Rensi, F., Techakumphu, M., Suadsong, S. 2012. *Reproductive and dairy performances of Thai swamp buffaloes under intensive farm management.* Short communication. Thai J Vet. Med. 42(1): 81–85.

7. **Chaikhun, T.**, Sothhibandhu, P. and Suadsong, S. 2013. *The Role of Kisspeptin Signaling in Reproduction of Ruminants*. Thai J Vet Med. 42(1): 81–85.
8. **Chaikhun, T.**, Sothhibandhu, P. and Suadsong, S. 2013. *Localization of GnRH Receptors in Buffalo Cow Pituitary Gland in Follicular and Luteal Phases*. Buffalo Buletin. 32 (Special issue2): 468–472.
9. **Chaikhun, T.**, Hengtrakunsin, R. and Kajaysri, J. 2013. *Fetal Loss in Dairy Buffaloes in Eastern of Thailand*. Buffalo Buletin. 32 (Special issue2): 572–574.
10. **Chaikhun, T.**, Hengtrakunsin, R. and Mitchaothai, J. 2013. *Reproductive Performance of Murrah Buffaloes under Intensive Farming System in Thailand*. Buffalo Buletin. 32 (Special issue2): 561–564.
11. **Chaikhun, T.**, Yanprapasiri, C., Sothhibandhu, P. and Suadsong, S. 2016. *Kiss-1 mRNA/Kisspeptin Distribution in Preoptic and Arcuate Nuclei of Cycling Buffalo (Bubalus bubalis) Hypothalamus*. Pakistan Vet J. 36(1): 93–97.
12. **Chaikhun–Marcou, T.**, Sothhibandhu, P., Kyle, V., Yeo, S.H., Colledge, W.H., Suadsong, S. 2016. *Evidence of Kisspeptin Receptor Expression in GnRH Neurons in the Preoptic Area and Arcuate Hypothalamic Nuclei in Cycling Buffaloes*. Thai J Vet Med. 16(3): 381–390.
13. **Chaikhun–Marcou, T.**, Maitreejet W, Karnjanasirm K, Rattanatabtimtong S, Kajaysri J, Raungprim T. 2017. *Increasing estrous synchronization rates in swamp buffalo through breeding soundness examination during Ovsynch–TAI*. Agri Sci J. 48(Suppl.2): 929–938.
14. **T. Chaikhun–Marcou, P.** Sothhibandhu, C. Yanprapasiri, S. Pavasutthipaisit, S.Suadsong, 2016. *Kiss1 mRNA and Its Protein Distribution in Preoptic and Arcuate Hypothalamic Nuclei in Pre–Pubertal Female Swamp Buffaloes*. Pakistan Vet J. 38(2): 137–142.
15. **Chaikhun–Marcou, T.**, Maitreejet W, Majorune S, Karnjanasirm K, Rattanatabtimtong S, Raungprim T. 2018. *An efficient non–invasive alternative recipient preparation in swamp buffalo using the Ovsynch protocol*. Reprod, Fertil and Dev. 30(1): 149.
16. **T. Chaikhun–Marcou, P.** Sothhibandhu, C. Yanprapasiri, S. Pavasutthipaisit, S.Suadsong, 2018. *Kiss1 mRNA and Its Protein Distribution in Preoptic and Arcuate Hypothalamic Nuclei in Pre–Pubertal Female Swamp Buffaloes*. Pakistan Vet J. 38(2): 137–142.
17. Charoennam, P., Luengektrakoon, P., Chinsuthiprapa, P., Ritrongand, P., Seupkampetch, A. and **Chaikhun–Marcou, T.** 2019. *Ovarian cyst in milking buffalo: a case study*. Buffalo Bulletin. 38(1):179–184.

18. Suebkhampet, A. and **Chaikhun–Marcou, T.** 2019. *Vaginal cytology in buffaloes: A review.* Buffalo Bulletin. 38(3):399–412.
19. **Chaikhun–Marcou, T.** and Sonklien, C. 2020. *Determining hygienic protocols for swamp buffalo milking and food safety in Thailand.* Buffalo Bulletin. 39(4):445–451.
20. K. Srirattana, Hufana–Duran, D., Atabay, E.P., Duran, P.G., Atabay, E.C., Lu, K., Liang, K., **Chaikhun–Marcou, T.**, Theerakittayakorn, K. and Parnpai, R. 2022. *Current status of assisted reproductive technologies in buffaloes.* Anim Sci J. 93(1): 1–26.
21. Salinas, M.B.S., **Chaikhun–Marcou, T.**, Chuammitri, P. and Sathanawongs, A. 2022. Appraisal of ATP1B1 and GSTM3 proteins as freezability factors in buffalo ejaculated spermatozoa. *The Thai Journal of Veterinary Medicine*, 52(4), 639–646. Retrieved from <https://he01.tci-thaijo.org/index.php/tjvm/article/view/260207>.
22. Pheanrat, I., Sarkaou., P. and **Chaikhun–Marcou, T.** 2023. *Detection of pathogenic Leptospira spp. in swamp buffalo bulls frozen semen by real-time polymerase chain reaction technique.* J of Mahanakorn Vet Med. 18(1):9–18.

Oral presentation

- 1.**Chaikhun, T.**, Suwimontheerabut, J., Usawarek,C., Ratanadhep,J. and Techakumphu, M. 2007. *Investigation of Relationship and Agreement between Serum P4 Concentration and Estrous Signs in Thai Swamp Buffalo (Bubalus bubalis): A Preliminary Study.* In 1st Veterinary MUT Conference Proceeding. 18–19 October, Bangkok, Thailand. Page 73–79.
- 2.Rattanapanna, P., Rattanatakorn, P., Suwanniwet, D., Daosri, N., Kari–u–na, K., Sanphong, T., Kamchoo, P., Seubkampetch, A., Intrapak, A., Krajaisri, J., Techakumphu, M. and **Chaikhun, T.**, 2008. *Study of Cytological Changes of Cervical Mucus during Estrous Cycle in Thai Swamp Buffaloes Treated with Ovulation Synchronization Program.* In 2nd Veterinary MUT Conference Proceeding. 28–29 November, Bangkok, Thailand. Page 112–113.
- 3.**Chaikhun, T.** ,Tharasanit, T. , Techakumphu, T. and Ratthanadhep, J. 2009. *Efficiency of ovulation synchronization and fix-timed artificial insemination program in swamp buffaloes in small holder farms.* In Proceeding of 2nd FASAVA and 35th VMLDAC On 3–5 November,2009. Bangkok International Trading Exhibition Center (BITEC) Bangna, Bangkok, Thailand. Page 532–533.
- 4.**Chaikhun, T.** , Mitchaothai, J. 2010. *Factors influenced on the selection of the 6th year student in 2009 to Clinical practice and special problem in Obstetric Gynaecology Andrology and Artificial Insemination in Domestic Animal .* In Proceeding of the 2nd Research for Teaching of MUT Conference. 27 May, Bangkok, Thailand.

5. **Chaikhun, T.**, Sattayaprasert, K., Mitchaothai, J. Kidarn, S., Khantipipat, M., Noppakit, S., Kongtaworn, T., Petchot, M. 2010. *Effect of Omega 3 as Oral Supplement on Semen Quality in Dogs*. In 4th Veterinary MUT Conference Proceeding on 26th November, Bangkok, Thailand.
6. **Chaikhun, T.**, Hengtrakunsin, R., De Rensis, F. And Suadsong, S. 2011. *Reproductive and dairy Performances of Swamp Buffaloes under Intensive Farm Management*. In the 3rd International conference on sustainable animal agriculture for developing countries (SAADC) 2011 on 26th–29th July 2011. Suranaree University of Technology, Thailand. Page 352.
7. **Chaikhun, T.**, Tonpitak, W., Leangchareun, N., Prarom, J., Yimthieng, C., Sukbhuncha, P. 2012. *Study of vaginitis during estrus synchronization with CIDR-G in goat*. In the 6th Mahanakorn Veterinary Conference on 23–24 August 2012. Long beach hotel, Cha-am, Pechaburi, Thailand. Page 76–79.
8. **Chaikhun, T.**, Suthikrai, W., Jintana, R., Sophon, S., De Rensis, F. and Suadsong, S. 2012. *The Effect of Progesterone Supplementation (CIDR-B) with Ovsynch protocol on Follicular turnover, Luteal function and Estrous and Ovulation Synchronization in Swamp Buffaloes*. In proceeding of the 15th AAAP Animal Science Congress, Bangkok, Thailand, 26th–30th November, 2012. Page 518–523.
9. **Chaikhun, T.**, Sotthibandhu, P. and Suadsong, S. 2013. *Localization of GnRH Receptors in Buffalo Cow Pituitary Gland in Follicular and Luteal Phases*. In proceeding of The 10th World Buffalo Congress and The 7th Asian Buffalo Congress, Hilton Phuket Arcadia Resort and Spa, Karon, Phuket, Thailand, 6th–8th May, 2013. Page 39.
10. **Chaikhun–Marcou, T.**, Sotthibandhu, P. and Suadsong, S. 2013. *Kisspeptin: New Focus in Animal Reproduction Research*. In proceeding of the RGJ Seminar Series XCIX (99th) “Innovative Reproductive Technology for Wildlife”, Kaokeaw Zoo, Sriracha, Chonburi, Thailand, 20th November, 2013
11. **Chaikhun– Marcou, T.**, Sotthibandhu, P. and Suadsong, S. *Structural Interactions between Kisspeptin Receptors and GnRH neurons in Preoptic Area and Arcuate Hypothalamic Nuclei in Cycling Buffaloes (Bubalus bubalis) as Revealed by Double Immunofluorescent*. In proceeding of the 11th International Symposium on GnRH, Salzburg, Austria, February 9–11, 2014 (CD).
12. **Chaikhun–Marcou, T.**, P. Sotthibandhu, and S. Suadsong. 2014. Kisspeptin and the hypothalamic pituitary gonadal axis in buffalo. In: Proceeding of the 11th Annual Conference of the Asian Reproductive Biotechnology Society, Sukosol Hotel, Bangkok, Thailand; November 2–8, 2014. pp. 19.
13. Polnok, S., Wannapake, K., Boonnual, S., Kawijai, P., Chaimongkol, K., Hanrin, W., Srinak, W., Hattapanit, P., Sotthibandhu, P., Suadsong, S., and **Chaikhun–Marcou, T.** 2014. *Study of the optimal conditions for estrogen receptors alpha and progesterone receptors detection in buffalo uterus (Bubalus*

bubalis) by immunohistochemistry technique. In: Proceeding of the 8th Mahanakorn Veterinary Conference on November 14, 2014. Bangkok, Thailand. Page 8–10.

14. **Chaikhun–Marcou, T.**, Yanprapasiri, C., Samran, W., Soththibandhu, P. and Suadsong, S. 2015. *Character of Kisspeptin Receptors Immunoreactions in Pituitary Glands of Cycling Buffaloes (Bubalus bubalis)*. In: Proceeding of 5th SAADC 2015 on October 27–30, 2015. Dusit Thani Pattaya Hotel, Thailand. Page 132.

15. Hanrin, W., Hattapanit, P., Srinak, W., Yanprapasiri, C., Soththibandhu, P., Suadsong, S. and **Chaikhun–Marcou, T.** 2015. *Immunofluorescence Colocalization Study of Estrogen Receptors Alpha and Progesterone Receptors in GnRH Neurons in Preoptic Area and Arcuate Hypothalamic Nuclei in Buffalo Cows*. In: Proceeding of ICVS 2015 on November 11–13, 2015. Impact Forum, Nonthaburi, Thailand. On CD prodeeding.

16. Fuengwattanapanit, N., Wangasa, W., Wongsert, S. **Chaikhun–Marcou, T.** and Itoh, N. 2018. *Investigation of Cryptosporidium spp. Prevalance in Buffalo Calves in Livestock Region 2 in Thailand by Using Screening Test Kits*. In: Proceeding of The 1st MUT International Conference of Veterinary and Animal Science on February 2, 2018. Page 3.

17. Chantabun, P., Payakthong, M., Chinchai, P., Leksansern, A and **Chaikhun–Marcou, T.** 2023. *Preliminary Study of anti-Müllerian Hormone Concentrations for Fertility Evaluation in Japanese Black Donor Cows in Thailand*. In: Proceeding of the National ConferenceThe 14th MUT Veterinary Annual Conference on November 9–10, 2023. Bangkok, Thailand. Page 17–25.

18. Pornwatcharasirikul, R., Pattanawetchatan, P., Klangchamnan, P., Pitatara, R., Suebkhampet, A. and **Chaikhun–Marcou, T.** 2023. *Prevalence and predisposing factors of female swamp buffalo infertility in Thailand: A study based on theriogenological service cases between 2018 and 2023*. In: Proceeding of the National ConferenceThe 14th MUT Veterinary Annual Conference on November 9–10, 2023. Bangkok, Thailand. Page 26–34.

Poster presentation

1.**Chaikhun, T.**, Chamsai, P., Pattanacharoenchai, O., Apirakkhit' J., Hongnara' D., Sreesangkram , C., Paduang , S., Sophon, S. and Krajaysri, J. 2009. *Reproductive Performance and Milking of Buffaloes Under Farm Management System*. In The 4th Thailand Research Expo 2009 Proceeding. 26–30 August, Bangkok, Thailand.

2.Sattayaprasert, K., **Chaikhun, T.** and Kajaysri, J. 2009. *Case report : Prostitis in Thai mixed breed dog due to sexual overuse*. In The 3rd Veterinary MUT Conference Proceeding. 26–27 November, Bangkok, Thailand. Page 189–190.

3. **Chaikhun, T.**, Sattayaprasert, K., Kajaysri, J., Kidarn, S., Khantipipat, M., Noppakit, S., Kongtaworn, T. and Petchot, M. 2009. *Semen quality of Thai mixed breed dogs*. In The 3rd Veterinary MUT Conference Proceeding. 26–27 November, Bangkok, Thailand. Page 207–208.
4. **Chaikhun, T.**, Promdireg, A., Suthikrai, W., Jintana, R., Kajaysri, J. and Techakumphu, M. 2010. *Hormonal Profiles and Ovulation Time in Thai Swamp Buffaloes after Ovulation Synchronization Program*. In the 9th World Buffalo Congress 2010 on 25–28 April, 2010. Buenos Aires, Argentina. Page 902–904.
5. **Chaikhun, T.**, Pojprasart, T., Mitchaothai J., Pongpeng J., Ampaira S., Sripanitkunchai S., Saree P., Kaewprom P., Panya P. and Taksinavisut P. 2011. *Effect of glutamine supplement in freezing extenders on post-thaw quality of buck spermatozoas*. In the 3rd International conference on sustainable animal agriculture for developing countries (SAADC) 2011 on 26th–29th July 2011. Suranaree University of Technology, Thailand.
6. Mamom, T., **Chaikhun, T.**, Supkaew, N. 2011. *Immunohistochemical localization of progesterone receptor in gravid and non-gravid uteruses of goats*. In the 3rd International conference on sustainable animal agriculture for developing countries (SAADC) 2011 on 26th–29th July 2011. Suranaree University of Technology, Thailand. Page 91.
7. Suadsong, S., **Chaikhun, T.**, Suwimonteerabutr. 2011. *Effect of improved cooling system on diurnal body temperature patterns and conception rate in dairy cows under tropical condition*. In the 3rd International conference on sustainable animal agriculture for developing countries (SAADC) 2011 on 26th–29th July 2011. Suranaree University of Technology, Thailand. Page 361.
8. Kaokaew, N., Mitchaothai, J., Sophon, S., Trairatapiwan, T., Lertpatarakomol, R., Suthikrai, W., Jintana, R., **Chaikhun, T.**, Techakumphu, M. 2011. *Level of testosterone in plasma of Duroc and Landrace boars in tropical condition: preliminary study*. In the 3rd International conference on sustainable animal agriculture for developing countries (SAADC) 2011 on 26th–29th July 2011. Suranaree University of Technology, Thailand. Page 445.
9. **Chaikhun, T.**, Hengtrakunsin, R. and Kajaysri, J. 2013. *Fetal Loss in Dairy Buffaloes in Eastern of Thailand*. In proceeding of The 10th World Buffalo Congress and The 7th Asian Buffalo Congress, Hilton Phuket Arcadia Resort and Spa, Karon, Phuket, Thailand, 6th–8th May, 2013. Page 74.
10. **Chaikhun, T.**, Hengtrakunsin, R. and Mitchaothai, J. 2013. *Reproductive Performance of Murrah Buffaloes under Intensive Farming System in Thailand*. In proceeding of The 10th World Buffalo Congress and The 7th Asian Buffalo Congress, Hilton Phuket Arcadia Resort and Spa, Karon, Phuket, Thailand, 6th–8th May, 2013. Page 73.
11. **Chaikhun– Marcou, T.**, Sotthibandhu, P. and Suadsong, S. *Comparative effects of administration of kisspeptin-10 and GnRH on LH secretion in buffalo cows*. In proceeding of the World Congress of

Reproductive Biology 2014, Edinburgh International Conference Centre (EICC), Edinburgh, Scotland, United Kingdom, 2nd– 4th September, 2014.

12. **T. Chaikhun–Marcou**, P. Sotthibandhu, C. Yanprapasiri, S.Suadsong, 2015. *Localization of Kisspeptin Receptors in Buffalo Heifer Pituitary Glands*. In proceeding of The 14th Chulalongkorn University Veterinary Conference (CUVC2015): Responsible for Lives. Royal Paragon Hall, Siam Paragon, Bangkok, Thailand. 20–22 April, 2015.

13. **T. Chaikhun–Marcou**, P. Sotthibandhu, C. Yanprapasiri, S. Pavasutthipaisit, S.Suadsong, 2016. *Differences in Kisspeptin Localization in the Pre– and Post– Pubertal Buffalo’s Preoptic Area and Arcuate Hypothalamic Nuclei*. In proceeding of The 15th Chulalongkorn University Veterinary Conference (CUVC2016): Research to Practice. Chamchuree11 Building, Chulalongkorn University, Bangkok, Thailand. 20–22 April, 2016. Page 421–422.

14. **T. Chaikhun–Marcou**, P. Sotthibandhu, C. Yanprapasiri, S. Pavasutthipaisit, S.Suadsong, 2017. *Colocalization of Estrogen Receptor Alpha in Kisspeptin Neurons in the Pre– Pubertal Buffalo’s Preoptic Area and Arcuate Hypothalamic Nuclei*. In proceeding of The 15th Chulalongkorn University Veterinary Conference (CUVC2017). Queen Sirikitti Convention Center, Bangkok, Thailand. 22–24 March, 2017. Page 233–234.

15. **Chaikhun–Marcou, T.** *A holistic Veterinary Medicine Model for the Buffalo Industry in Thailand*, 2017. International Buffalo Symposium 2017. Chitwan, Nepal. 15–18 November, 2017. Page 155.

16. **Chaikhun–Marcou, T.**, Maitreejet W, Majorune S, Karnjanasirm K, Rattanatabtimong S, Raungprim T. 2018. *An efficient non–invasive alternative recipient preparation in swamp buffalo using the Ovsynch protocol*. Annual Conference of the International Embryo Technology Society 2018. Bangkok, Thailand. 13–16 January, 2018.

17. ประยูทธ แซ่โค้ว, อินทิพร เพ็ชรรัตน์ และ **ธัชฎาพร ไชยคุณ–มาร์คว**. 2565. การระบุชนิดเชื้อไวรัสด้วยการใช้ลำดับนิวคลีโอไทด์บางส่วนที่กำหนดการสร้าง 16s RNA ของ *Mycoplasma spp.* ที่แยกจากเลือดของกระบือในประเทศไทย. ใน รายงานการประชุมวิชาการทางสัตวแพทย์และการเลี้ยงสัตว์ มหาวิทยาลัยเทคโนโลยีมหานคร ครั้งที่ 13. วันที่ 9–10 พฤศจิกายน 2565. หน้า 6–8.