|  |  |
| --- | --- |
| MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT **VIETNAM NATIONAL UNIVERSITY OF AGRICULTURE**  | **SOCIAL REPUBLIC OF VIETNAM****Independence - Freedom - Happiness** |

**CURRICULUM VITAE**

**I- PERSONAL INFORMATION**

Name in full **Chu, Thinh Tuan** Sex: Male

Year of birth: *1984*

Place of birth: *Hung Yen, Vietnam*

Address: *Trau Quy, Gia Lam, Hanoi, Vietnam*

Email: ctthinh@vnua.edu.vn

Current Employer: *Vietnam National University of Agriculture*

Current Position: *Lecturer*

Academic title: *PhD*

Language: *Vietnamese, English*

**II- EDUCATION**

**1. Bachelor of Agricultural Science (Major in Animal Science)**

University of Queensland, Queensland (Australia) (2005-2009)

**2. Master of Animal Studies**

University of Queensland, Queensland (Australia) (2013-2014)

**3. PhD in Genetics**

Double doctorate degree (2015-2019):

Aarhus University (Denmark) &

Wageningen University & Research (Netherlands).

Thesis: Genotype by environment interactions in poultry breeding programs

**III. WORK EXPERIENCE**

***From 2010 – current***

 Employer: Vietnam National University of Agriculture

Position: Lecturer

***From 2019 – current***

Employer: Aarhus University (Denmark), Center for Quantitative genetics and Genomics

Position: Postdoctoral Researcher

***From 2018 to 2019***

Employer: Aarhus University (Denmark), Center for Quantitative genetics and Genomics

Position: Research Assistant

**IV. PUBLICATIONS**

***Peer review publications***

1. Guosheng Su, Anders Christian Sørensen, **Thinh T. Chu**, Kristian Meier, Torben Nielsen, Mogens Sandø Lund (2020) Impact of phenotypic information and composition of reference population on genomic prediction in fish under the presence of genotype by environment interaction. Aquaculture. Vol. 526. doi:10.1016/j.aquaculture.2020.735358
2. **Chu T.T.,** Bastiaansen J.W.M., Berg P., Komen H., 2019. Optimized grouping to increase accuracy of prediction of breeding values based on group records in genomic selection breeding programs. Genetics Selection Evolution, vol. 51:64. doi:10.1186/s12711-019-0509-z
3. **Chu T.T.**, Bastiaansen J.W.M., Berg P., Rome H.J.S., D. Marois, Henshall J., Jensen J., 2019. Use of genomic information to exploit genotype by environment interactions for body weight of broiler chicken in bio-secure and production environments. Genetics Selection Evolution, vol. 51:50. doi:10.1186/s12711-019-0493-3
4. **Chu T.T.**, Madsen P., Norberg E., Wang L., Marois D., Henshall J., Jensen J., 2020. Genetic analysis on body weight at different ages in broiler chicken raised in commercial environment. Journal of Animal Breeding and Genetics, vol. 137:245-259. doi:10.1111/jbg.12448
5. **Chu T.T.**, Alemu S.W., Norberg E., Sørensen A.C., Henshall J., Hawken R., Jensen J. (2018). 'Benefits of testing in both bio-secure and production environments in genomic selection breeding programs for commercial broiler chicken'. Genetics Selection Evolution, vol. 50:52. doi:10.1186/s12711-018-0430-x
6. **Chu T.T.**, Bastiaansen J.W.M., Norberg E., Berg P. (2018). On farm observations to increase genetic gain in breeding schemes for village poultry production – A simulation study. Acta Agriculturae Scandinavica, Section A — Animal Science, vol. 68(1): 1-10. doi:10.1080/09064702.2018.1543444.
7. **Chu T. Thinh**, Nguyen Chi Thanh, Dao Cong Duan and Phan Xuan Hao (2013) Effects of *Leucaena leucocephala* and *Bidens pilosa* diets on rabbit body weight, carcass and sensory quality of meat, Journal of Vietnamese animal husbandry and technology, vol. 21 (2), pp 47-55. (*In Vietnamese*)

***Manuscripts in preparation and submission***

1. **Thinh T. Chu**, Guosheng Su, Anders Christian Sørensen, Kristian Meier, Torben Nielsen, Mogens Sandø Lund (2020) Phenotypically-selective genotyping realizes more genetic gains in trout breeding programs affected by genotype by environment interactions
2. **Thinh T. Chu**, Mark Antione Henryon, Just Jensen, Birgitte Ask, Ole Fredslund Christensen (2020) Statistical models with social genetic effects and group composition strategies to realize more response to genomic selection in breeding programs for pigs
3. Hélène Romé, **Thinh T. Chu**, Danye Marois, Chyong-Huoy Huang, Just Jensen (2020) Accounting for genetic architecture of body weight improves accuracy of predicting breeding values in a commercial line of broilers.

***PhD thesis, chapter & book***

1. **Chu T.T.** (2019) Genotype by environment interactions in poultry breeding programs, PhD thesis - Aarhus University (Denmark) & Wageningen University (Netherlands), doi:10.18174/506477
2. **Chu T. Thinh** (2018) Introduction to quantitative genetics. *In*: *Animal genetics* (Nguyen Hoang Thinh, eds.), Vietnam National University of Agriculture, Hanoi. (*In Vietnamese*)

***Conference proceedings, abstracts and presentations***

1. **Chu T.T.**, Bastiaansen J.W.M., Berg P., Komen H. (2019). Use of genomic information to improve accuracy of prediction from group records. In proceedings of the European Federation for Animal Science Annual Meeting (EAAP) 2019, Ghent, Belgium.
2. **Chu T.T**, Norberg E., Huang C., Henshall J., Jensen J. (2019). Benefits of using genomic information for broiler breeding program in presence of GxE interactions. In proceedings of the European Federation for Animal Science Annual Meeting (EAAP) 2019, Ghent, Belgium.
3. **Chu T.T**, Rome H.J.S., Norberg E., Marois D., Henshall J., Jensen J. (2019). GxE interactions of body weight for broilers raised in bio-secure and commercial environments. In proceedings of the European Federation for Animal Science Annual Meeting (EAAP) 2019, Ghent, Belgium.
4. Rome H.J.S., **Chu T.T**, R. Hawken, J. Henshall, Jensen J. (2019). WGBLUP model improves accuracy of breeding values prediction in a commercial line of broilers. In proceedings of the European Federation for Animal Science Annual Meeting (EAAP) 2019, Ghent, Belgium.
5. **Chu T.T.**, Norberg E., Bastiaansen J.W.M., Berg P. (2018). On farm observations to increase genetic gain in breeding schemes for village poultry production. In proceedings of the 11th World Congress on Genetics Applied to Livestock Production (WCGALP), Auckland, New Zealand.
6. **Chu T.T.**, P. Madsen, L. Wang, J. Henshall, R. Hawken, J. Jensen (2018). Influence of age on variance components for body weight in commercial male and female broiler chicken. In proceedings of the European Federation for Animal Science Annual Meeting (EAAP) 2018, Dubrovnik, Croatia.
7. **Chu T.T.**, S.W. Alemu, E. Norberg, A.C. Sørensen, J. Henshall, and J. Jensen. 2017. Benefits of testing birds in both bio-secure and production environment in genomic selection breeding programs for commercial broiler chicken. 10th European Symposium on Poultry Genetics (ESPG), St. Malo, France.
8. **Chu, T.T.**, Nguyen, N.B., Nguyen, C.T., & Harper, K. (2015) Comparing methodologies for the *in situ* and *in vitro* digestion of forages to indigestible neutral detergent fibre. *In:* Do Vo Anh Khoa, Luu Huu Manh (eds.), *National conference of Animal & Veterinary Science,* Can Tho, Vietnam: Can Tho University.
9. Nguyen, N.B., **Chu, T.T.** and Tran, H. (2015) Feed additives to reduce methane emissions from ruminants. *In:* Do Vo Anh Khoa, Luu Huu Manh (eds.), *National conference of Animal & Veterinary Science,* Can Tho, Vietnam: Can Tho University.

***Peer reviews for Journals:***

Journal of Animal Breeding and Genetics

Genetics Selection Evolution

Genes- MDPI.

**V. RESEARCH PROJECTS INVOLVED**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Projects*** | ***Period*** | ***Donors/ Funding*** | Role |
| Breeding for feed efficiency and behavior of pigs in groups | 2020-2021 | GUDP (Green Development and Demonstration Programme), Ministry of Environment and Food of Denmark | Team member |
| Paradigm shifts in Danish rainbow trout - implementation of genomic selection | 2020-2021 | GUDP (Green Development and Demonstration Programme), Ministry of Environment and Food of Denmark | Team member |
| Model development using longitudinal phenotypic records and genomic information for GxE in broilers | 2017-2018 | Funding from Cobb-vantress | Team member |
| Crossbreding between wild boars and local pigs in mountainous areas in Northern Vietnam | 2012-2013 | MARD | Team member |
| Leucaena toxicity in rabbit husbandry | 2011-2012 |  | Team lead |

**DECLARATION**

I, the undersigned, certify that, to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience.

 *Hanoi, 9 May 2020*

 **Declarer**

**Chu Tuấn Thịnh**