



# Faculty of Agriculture, Kasetsart University

Department of Animal Science, Bangkok 10900 Thailand

## Tropical Animal Genetic Unit (TAGU)

[<http://www.tagu.nisit.ku.ac.th>]



### Under the direction of



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Animal Breeding and Genetics

<http://pirun.ku.ac.th/~agrskk>

### Teaching Experiences

Assistant Professor: Kasetsart University, Thailand

Courtesy Professor: University of Florida, USA

Visiting Professor : Tsukuba University, Japan

Adjunct Professor: Khon Kaen University, Thailand

King Mongkut's Institute of

Technology Ladkrabang, Thailand

### Expertise and Research Collaborations

Animal Genetic –Genomic Evaluation Strategy

- University of Florida

Dairy Breeding and Genetics

- National Science and Technology Development Agency (NSTDA)
- Dairy Farming Promotion Organization (DPO)
- Muaklek Dairy Cooperative Limited
- Mae Wang Dairy Cooperative Limited
- Mae On Dairy Cooperative Limited
- Cooperative Limited
- Great Milk Co. Ltd.
- Thai Holstein Association

Beef Breeding and Genetics

- Pon Yang Kram Beef Cooperative Ltd.
- Loongchao Farm Co Ltd.
- Thai Serve Co. Ltd.
- Department of Livestock Development

Swine Breeding and Genetics

- Four T Farm Co. Ltd.
- Laemthong Hybrid Co. Ltd.

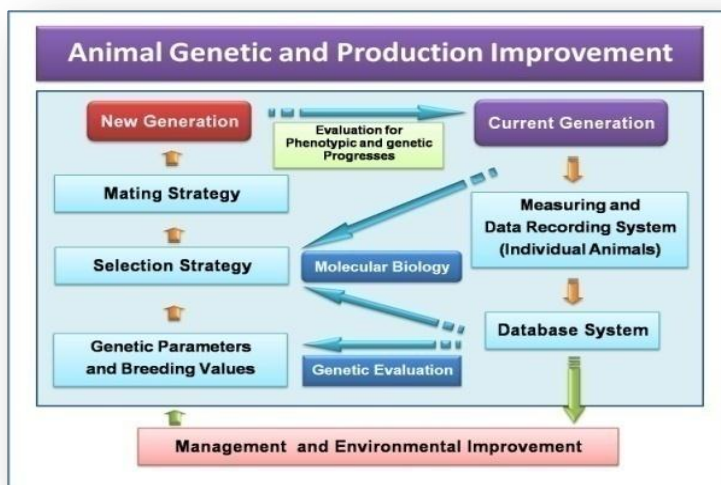
Poultry Breeding and Genetics

- Department of Livestock Development

Shrimp Breeding and Genetics

- National Science and Technology Development Agency (NSTDA)

Our research areas are aimed to improve genetic potential for economically important traits of animals (e.g., cattle, swine, poultry, shrimp and fish) raising under tropical conditions. Developing strategies and techniques for genetic-genomic evaluation, selection and mating suitable for singlebreed and multibreed animal populations are interested. Applying molecular biology and bioinformatics to improve efficiency of livestock production in the tropics is also concerned.



### Research Publications:

Since 2001, there are more than **34 articles** published in peer-review journals, **88 articles** published in the national and international conferences proceedings, and **47 articles** were invited for presentations.

### TAGU Alumni:

5 University lecturers, 1 State Minister for Agriculture, 4 animal breeders, 3 Scientists , and 1 Business owner.

### Selected Research Projects

- Development of dairy genetic-genomic evaluation system in Thailand
- Cost and benefit from cow-calf production in commercial beef Production
- Genetic analysis for length of productive life and life time production traits of sows raised under tropical conditions
- Effect of interaction between genetic and environment on growth performance of the black tiger shrimp

Young scientists who really want to gain their knowledge and research experiences in animal breeding and genetic at the graduate level (MS or PhD) are always welcome. For more information please visit <http://pirun.ku.ac.th/~agrskk>