**Jigme Tenzin**

**Personal details**

Designation: Lecturer  
Affiliation (Programme): Department of Animal Science  
Phone: +975 2 376252

Email: drjigme@cnr.edu.bt or jtenzin.cnr@rub.edu.bt  
links: https://www.researchgate.net/profile/Jigme-Tenzin-2, https://orcid.org/0000-0002-9047-3041

**Research interest:**

I am passionate about learning and teaching. My research interest area includes animal genetics and breeding, methane emission, multi-omics, big data, statistics and machine learning, and climate finance to solve real-world problems in the livestock and agriculture sectors.

**Qualifications**

* BVSC & Agriculture (CAU, INDIA)
* MSc in Agriculture (Animal Genetics and Breeding)

**Professional memberships and associations**

* section editor (BJNRD)

**Reviewer**

National Guideline For Prevention, Treatment And Control Of Scrub Typhus

https://www.moh.gov.bt/national-guideline-for-prevention-treatment-and-control-of-scrub-typhus/

**Experience**

* Head of the Department of Department of Animal Science
* Former Programme leader for BSc in Animal Science
* Former head of the Centre for Rural Development Studies (CRDS)

**Publications**

**Articles**

* Norbu, N., & **Tenzin, J.** (2023). A Novel Method of Understanding and Identifying Feeding Management Problems in Dairy Cows. International journal of multidisciplinary research and analysis, *6(*5).
* Yangzom, T., Dorji, T., & **Tenzin, J.** (2023). Zanthoxylum Fruit is Effective in Controlling Ticks in Cattle. *Bhutan Journal of Natural Resources and Development*, *10*(1), 44-49.
* **Tenzin, J.,** Chankitisakul, V., & Boonkum, W. (2023). Current Status and Conservation Management of Farm Animal Genetic Resources in Bhutan. *Veterinary Sciences*, *10*(4), 281.
* Choden, S., Yangchen, U., & **Tenzin, J.** (2021). Evaluation on Efficacy of Piper nigrum as a bio-pesticide against *Sitophilus zeamais*. *Naresuan University Journal: Science and Technology (NUJST)*, *29*(2), 84-95.
* Dolma, S., **Tenzin, J.,** & Dorjee, J. (2020). Assessment of Anthelmintic Resistance of Fasciola spp. against Flunil-L® and Fasinash®. *Bhutan Journal of Natural Resources and Development*, *7*(2), 43-50.
* **Tenzin, J.**, Boonkum, W., & Chankitisakul, V. (2020). Potential genetic markers and their association with production traits in Thai Pradu Hang Dam and Chee native chickens. *Khon Kaen Agriculture Journal,* *48*(1), 211 - 220.
* **Tenzin, J.,** Chankitisakul, V., & Boonkum, W. (2020). Association of polymorphisms of physiological candidate genes with phenotype and estimated breeding values of reproductive and growth traits in Thai indigenous chickens. *Genetics and Molecular Research*, *19*(1).

**Book chapters**

* **Tenzin, J.** & Wangmo, C. (2022). Women’s Vegetable Marketing Group in Bongo, Chhukha Dzongkhag. In S Tashi, U Yangchen, Y Dahal, & DB Gurung (Eds.), *Case Studies of Successful Farmers, Agri-enterprises and Farmers’ Groups and Cooperatives in Bhutan* (pp. 146 -147).
* **Tenzin, J.** & Wangmo, C. (2022). Green Hands Youth Group of Phuentsholing, Bjabcho, Chhukha Dzongkhag. In S Tashi, U Yangchen, Y Dahal, & DB Gurung (EDS.), *Case Studies of Successful Farmers, Agri-enterprises and Farmers’ Groups and Cooperatives in Bhutan* (pp. 148 -149).
* **Tenzin, J.** & Wangmo, C. (2022). Mushroom Production, Bjabcho Gewog, Chhukha Dzongkhag. In S Tashi, U Yangchen, Y Dahal, & DB Gurung (Eds.), *Case Studies of Successful Farmers, Agri-enterprises and Farmers’ Groups and Cooperatives in Bhutan* (pp. 43-44).
* Wangmo, C. & **Tenzin, J.** (2022). Integrated Farmer, Boeri Village, Chhukha Dzongkhag. In S Tashi, U Yangchen, Y Dahal, & DB Gurung (Eds.), *Case Studies of Successful Farmers, Agri-enterprises and Farmers’ Groups and Cooperatives in Bhutan* (pp. 162 - 164).

**Thesis**

* **Tenzin, J.** (2019). A study of association between genetic markers in candidate genes and production traits in Thai native chickens (Master’s thesis, Khon Kaen University, 2019). Khon Kaen: Khon Kaen University.

**Conference proceedings**

* **Tenzin, J.,** Boonkum, W., Chankitisakul, V., & Duangjinda, M. (2019). Polymorphisms in BMP15, DRD2, STAT5B, and MTNR1C genes and their association with production traits in Thai Pradu hang dam chickens. In The second international conference on native chicken (Vol. 2, p. 64-68). Korat, Thailand: Suranaree University. Thailand.

**Teaching and Supervision**

**Regular Teaching**

* Biotechnology in Animal Production
* Statistics,
* Fundamentals of Genetics and Breeding,
* Introduction to Computers and Typesetting

**Short courses**

* Crash course in R and Statistics (Get in touch)

**Supervision**

**Undergrad thesis:**

1. Evaluation of Effective Microorganisms in Broiler Performance and Suppressing Poultry Manure Malodor
2. *Zanthoxylum* fruit is effective in controlling ticks in cattle.
3. Comparative Assessment on Growth of Common Carp (*Cyprinus Carpio*) and Grass Carp (*Ctenopharyngodon Idella*) with Locally Formulated and Imported Feed
4. Efficacy of *Derris acuminata Bentham* in tick control on cattle at Khatoed Gewog, Gasa
5. Assessment of Anthelmintic Resistance of Fasciola spp. against Flunil-L® and Fasinash®
6. Wet and dry feeding in pigs
7. Comparative study on production performance of local and exotic pigs
8. Growth performance of broilers under color light
9. Aflatoxins in poultry feeds
10. Effect of feeding grass mixed silage and maize silage as winter forage on milk yield and its composition in Jersey crossbred cows
11. Effect of feeding fruits waste on the body weight gain in calves

**Grad thesis:**

* Ethno-medicinal uses and cultural importance of stingless bees and their hive products in several ethnic communities of Bhutan

**Grants (Funded Research)**

1. Title: Building Capacity for Climate-Smart Agriculture

Researchers: Jigme Tenzin, Tashi Dendup, Zangmo, Pema Rinzin, Shekhar Chhetri, Serki Wangmo

Duration: 2020 - 2023

1. Title: Hydroponic for Climate-Smart Agriculture

Researcher: Jigme Tenzin, Chencho Om, Haki Dem, Tshering Gyelpo,

Duration: 2022 – 2023

**Available project**

1. Title: LUCCC capacity building least developed countries for climate-finance

Researchers: Om Katel, Ugyen Yangchen, Yogeeta Dahal, Tenzin Wangchuk, Bhagat Suberi, Jigme Tenzin

Duration: 2022 – 2024

1. Title: AMR in livestock farming - cattle

Researcher: Jigme Tenzin, Karma Sangay, Karma Wangchuk

Duration: 2023 - 2024