





# JIGME TENZIN





I am currently a Lecturer and Dean of Academic Affairs at College of Natural Resources, Royal University of Bhutan. I am interested in animal genetics and breeding, multi-omics, big data, statistics, and machine learning to solve real world problems in livestock sector and allied industry. Moreover, I am passionate about learning and teaching.

View this CV online with links at  
<https://jigmetenzin.rbind.io/cv/cv>

## EDUCATION

- 2019  
|  
2017 • **MSc in Agriculture (Major in Animal Genetics and Breeding)**  
Khon Kaen University  Khon Kaen, Thailand
  - Thesis: A study of association between genetic markers in candidate genes and production traits in Thai native chickens.
- 2017  
|  
2017 • **Post Graduate Diploma in Higher Education (PgDHE)**  
Samtse College of Education  Samtse, Bhutan
- 2016  
|  
2016 • **Post Graduate Certificate in Higher Education (PgCHE)**  
Samtse College of Education  Samtse, Bhutan
- 2015  
|  
2010 • **Bachelor's in Veterinary Sciences and Animal Husbandry (BVSc & AH)**  
Central Agricultural University  Aizawl, Mizoram, India

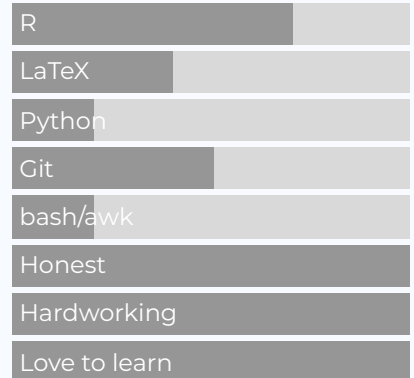
## PROFESSIONAL EXPERIENCE

- Current  
|  
2025 • **Dean of Academic Affairs**  
 College of Natural Resources
  - Oversee academic policies, programs, and quality within the college
- Current  
|  
2025 • **Head**  
Centre for Sustainable Mountain Agriculture  College of Natural Resources
  - Coordinate and administer projects and research under Department of Agriculture, Department of Animal Science, and Department of Food Science and Technology
- Current  
|  
2021 • **Lecturer**  
Department of Animal Science  College of Natural Resources
  - Teach and guide undergraduate and MSc students
- 2021  
|  
2020 • **HoD**  
Department of Animal Science  College of Natural Resources
  - See overall administration of the department in addition to teaching

## CONTACT

✉ [jtenzin.cnr@rub.edu.bt](mailto:jtenzin.cnr@rub.edu.bt)  
🐙 [github.com/jigme77](https://github.com/jigme77)  
🌐 [jigmetenzin.rbind.io](https://jigmetenzin.rbind.io)

## SKILLS



Last updated on 2025-06-15.

- 2021  
|  
2019

●

**Farm manager**  
 Piggery, Department of Animal Science
 📍 College of Natural Resources

- Oversee the management of piggery farm at the college and engagement of students in the farm
- 2021  
|  
2020

●

**Centre Coordinator**  
 Centre of Rural Development Studies
 📍 College of Natural Resources

- Overall administration and coordination of centre related activities
- 2021  
|  
2019

●

**Project Manager**
📍 College of Natural Resources

- Managed and led the project building capacity for climate smart agriculture
- 2021  
|  
2016

●

**Associate Lecturer**  
 Department of Animal Science
 📍 College of Natural Resources

- Teach and guide undergraduate students
- 2017  
|  
2016

●

**Programme Leader**  
 BSc in Animal Science
 📍 College of Natural Resources

- Overall administration and coordination of the programme
- 2016  
|  
2015

●

**Assistant Lecturer**  
 Department of Animal Science
 📍 College of Natural Resources

- Teach and guide undergraduate students



## GRANTS AND AWARDS

- 2023  
|  
2019

●

**Building capacity for climate-smart agriculture**  
 Bhutan Trust Fund for Environmental Conservation
 📍 Thimphu, Bhutan

- Building capacity for faculty and farmers to adapt to climate change and practice climate smart farming
- 2022  
|  
2022

●

**Bhutan-KoRAA fellow**  
 International Technology Cooperation Centre
 📍 Rural Development Administration, South Korea

- Agriculture Management Research Methodology and Analysis
- 2019  
|  
2017

●

**TICA scholarship**  
 Thailand International Cooperation Agency
 📍 Thailand

- MSc in Agriculture (Animal Genetics and Breeding)

2019  
|  
2019



### Young Scientist Award

The 2nd International Conference on Native Chicken (ICONC), 2019  
📍 Suranaree University of Technology, Korat, Thailand

- Polymorphisms in BMP15, DRD2, STAT5B, and MTNR1C genes and their association with production traits in Thai Pradu hang dam chickens.

2019  
|  
2019



### Best Oral Presentation

The 2nd International Conference on Native Chicken (ICONC), 2019  
📍 Suranaree University of Technology, Korat, Thailand

- Polymorphisms in BMP15, DRD2, STAT5B, and MTNR1C genes and their association with production traits in Thai Pradu hang dam chickens.

2015  
|  
2010



### GOI scholarship

Department of Adult and Higher Education and Government of India  
📍 Mizoram, India

- Studied BVSc & AH



## TEACHING EXPERIENCE

2025  
|  
2024



### Data management and Analytics Using Excel, Introduction to computers and typesetting, Statistics and Applied Statistics using R and SPSS, Introduction to Animal Genetics and Breeding

BSc Animal Science, BSc in Sustainable Development, BSc in Environment and Climate Studies

📍 College of Natural Resources

- Teach as well as guide students with undergraduate research

2023  
|  
2023



### Statistics (Introduction data wrangling and visualization, exploratory data analysis, correlation, and regression, inferential statistics (*t* test, ANOVA, ANCOVA, R programming, SPSS), Introduction to Veterinary Public Health and Epidemiology

BSc in Animal Science, 3rd year, 2nd Semester

📍 Department of Animal Science, College of Natural Resources

2021  
|  
2020



### Statistics, Biotechnology in Animal Production, Project Work, Extension and Communication

BSc in Animal Science

📍 Department of Animal Science, College of Natural Resources

- Teach as well as guide students with their undergraduate thesis

2020  
|  
2019

- **Farm Economics and Marketing, Farm Animal Growth and Development, Biotechnology in Animal Production, Statistics, Extension and Communication**  
BSc in Animal Science  
📍 Department of Animal Science, college of Natural Resources  
• Teach as well as guide students with their undergraduate thesis

2020  
|  
2019

- **Introduction to Animal Production**  
BSc in Food Science and Technology  
📍 Department of Food Science, College of Natural Resources  
• Teach

2017  
|  
2016

- **Farm Animal Genetics and Breeding, Preventive Veterinary Medicine**  
BSc in Animal Science  
📍 Department of Animal Science, College of Natural Resources  
• Teach

2016  
|  
2015

- **Basic Anatomy and Physiology of Farm Animals, Apiculture, Preventive Veterinary Medicine**  
BSc in Animal Science  
📍 Department of Animal Science, College of Natural Resources  
• Teach



## PUBLICATIONS

Current  
|  
2025

- **Dietary micronized hemp fiber enhances in vitro nutrient digestibility and cecal fermentation, antioxidant enzyme, lysosomal activity, and productivity in finisher broilers reared under thermal stress<sup>1</sup>**  
Frontiers in Animal Science, 6, 1553829.  
• Incharoen, T., Nopparatmaitree, M., Kongkeaw, A., Soisuwan, K., Likittrakulwong, W., Thongnum, A., Norbu, N., Tenzin, J., Supatsaraphokin, N. and Loor, J.J.

2023  
|  
2023

- **Current Status and Conservation Management of Farm Animal Genetic Resources in Bhutan. Veterinary Sciences<sup>2</sup>**  
Veterinary Sciences, 10(4), 281.  
• Tenzin, J., Chankitisakul, V., & Boonkum, W.

2023  
|  
2023

- **Dry and fresh Zanthoxylum fruits are effective in controlling ticks' infestation in cattle<sup>3</sup>**  
Bhutan Journal of Natural Resources & Development. 10(1): 44-49.  
• Yangzom, T., Dorji, T., & Tenzin, J.

2022  
|  
2022

- **Women's Vegetable Marketing Group in Bongo, Chhukha Dzongkhag**  
📍 Centre for Sustainable Mountain Agriculture, College of Natural Resources, Royal University of Bhutan  
• Tenzin, J. & Wangmo, Chogyel

- 2022  
|  
2022
- **Mushroom Production, Bjabcho Gewog, Chhukha Dzongkhag**  
In book: Case Studies of Successful Farmers, Agri-enterprises and Farmers' Groups and Cooperatives in Bhutan  
📍 Centre for Sustainable Mountain Agriculture, College of Natural Resources, Royal University of Bhutan  
• Tenzin, J. & Wangmo, Chogyel
- 2022  
|  
2022
- **Green Hands Youth Group of Phuentsholing, Bjabcho, Chhukha Dzongkhag**  
in book: Case Studies of Successful Farmers, Agri-enterprises and Farmers' Groups and Cooperatives in Bhutan  
📍 Centre for Sustainable Mountain Agriculture, College of Natural Resources, Royal University of Bhutan  
• Tenzin, J. & Wangmo, Chogyel
- 2022  
|  
2022
- **Integrated Farmer, Boeri Village Chhukha Dzongkhag**  
in book: Case Studies of Successful Farmers, Agri-enterprises and Farmers' Groups and Cooperatives in Bhutan  
📍 Centre for Sustainable Mountain Agriculture, College of Natural Resources, Royal University of Bhutan  
• Wangmo, Chogyel & Tenzin, J.
- 2020  
|  
2020
- **Evaluation on Efficacy of *Piper nigrum* as a bio-pesticide against *Sitophilus zeamais*<sup>4</sup>**  
Naresuan University Journal: Science and Technology (NUJST). 29(2), 84-95.  
• Choden, S., Yangchen, U., & Tenzin, J.
- 2020  
|  
2020
- **Assessment of Anthelmintic Resistance of *Fasciola* spp. against Flunil-L<sup>®</sup> and Fasinash<sup>®5</sup>**  
Bhutan Journal of Natural Resources & Development. 7(2): 43-50.  
• Dolma, S., Tenzin, J., & Dorjee, J.
- 2020  
|  
2020
- **Potential genetic markers and their association with production traits in Thai Pradu Hang Dam and Chee native chickens<sup>6</sup>**  
Khon Kaen Agriculture Journal. 48(7), 211 - 220.  
• Tenzin, J., Boonkum, W., & Chankitisakul, V.
- 2020  
|  
2020
- **Association of polymorphisms of physiological candidate genes with phenotype and estimated breeding values of reproductive and growth traits in Thai indigenous chickens<sup>7</sup>**  
Genetics and Molecular Research. 19(7): GMR18504.  
• Tenzin, J., Chankitisakul, V., & Boonkum, W.

- 2019  
|  
2019
- **A study of association between genetic markers in candidate genes and production traits in Thai native chickens<sup>8</sup>**  
Master's thesis, Khon Kaen University, 2019). Khon Kaen: Khon Kaen University.  
• Tenzin, J.
  - **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.  
• Tenzin, J., Boonkum, W., Chankitisakul, V., & Duangjinda, M.



## SHORT COURSES OFFERED

- 2021  
|  
2021
- **Crash course on Introduction to R**  
General Audience and students  
📍 College of Natural Resources, Lobesa, Punakha
  - **Bringing meaning to statistical practice in climate science using R**  
Mixed mode, online and offline  
📍 College of Natural Resources, Lobesa, Punakha  
• ICIMOD in partnership with The Walker Institute, University of Reading, and My Climate Risk, World Climate Research Programme (WRCRP)
  - **Introduction to statistics for Teachers**  
Teachers (Introduction to statistics and inferences using school data)  
📍 Dechentshemo Central School, Thinleygang, Bhutan  
• In partnership with Dr. Om Katel, former Dean of Research and Industrial Linkages



## LINKS

- 1: <https://www.frontiersin.org/journals/animal-science/articles/10.3389/fanim.2025.1553829/full>
- 2: <https://www.mdpi.com/2306-7381/10/4/281>
- 3: <https://www.bjnrd.org/index.php/bjnrd/article/view/85>
- 4: <https://www.journal.nu.ac.th/NUJST/article/view/Vol-29-No-2-2021-84-95>
- 5: <https://bjnrd.org/index.php/bjnrd/article/view/58>
- 6: [https://ag2.kku.ac.th/kaj/PDF.cfm?filename=19\\_12.pdf&id=4166&keeptrack=10](https://ag2.kku.ac.th/kaj/PDF.cfm?filename=19_12.pdf&id=4166&keeptrack=10)
- 7: <https://geneticsmr.com/articles/association-polymorphisms-physiological-candidate-genes-phenotype-and-estimated-breeding>
- 8: <https://opac.kku.ac.th/Catalog/BibItem.aspx?BibID=b00423551>



## REFERENCES



**Assoc. Prof. Dr. Wuttigrai Boonkum**

Network Center for Animal Breeding and Omics Research,  
Department of Animal Science, Faculty of Agriculture  
📍 Khon Kaen University, Thailand

• Email: [wuttbo@kku.ac.th](mailto:wuttbo@kku.ac.th); Mobile: +66 850146611



**Dr. Om Katel (PhD)**

Lecturer & Former Dean of Research and Industrial Linkages,  
Department of Environment and Climate Studies  
📍 College of Natural Resources, Royal University of Bhutan, Lobesa,  
Punakha, Bhutan

• Email: [om.cnr@rub.edu.bt](mailto:om.cnr@rub.edu.bt); Mobile: +97517475144



**Dr. Jigme Dorji (PhD)**

Postdoctoral Research Fellow at The Commonwealth Scientific and  
Industrial Research Organisation  
📍 St Lucia, Queensland, Australia

• Email: [jigmedorjik@gmail.com](mailto:jigmedorjik@gmail.com); Mobile: +61 0420808440



## DECLARATION

I hereby certify that the above information is correct to the best of my knowledge.