

JIGME TENZIN

I am currently a Lecturer 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 | <ul style="list-style-type: none">● 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 | <ul style="list-style-type: none">● Post Graduate Diploma in Higher Education (PgDHE)
Samtse College of Education 📍 Samtse, Bhutan |
| 2016

2016 | <ul style="list-style-type: none">● Post Graduate Certificate in Higher Education (PgCHE)
Samtse College of Education 📍 Samtse, Bhutan |
| 2015

2010 | <ul style="list-style-type: none">● Bachelor's in Veterinary Sciences and Animal Husbandry (BVSc & AH)
Central Agricultural University 📍 Aizawl, Mizoram, India |

PROFESSIONAL EXPERIENCE

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| Current

2023 | <ul style="list-style-type: none">● HoD
Department of Animal Science 📍 College of Natural Resources
· See overall administration of the department in addition to teaching |
| Current

2021 | <ul style="list-style-type: none">● Lecturer
Department of Animal Science 📍 College of Natural Resources
· Teach and guide undergraduate and MSc students |
| 2021

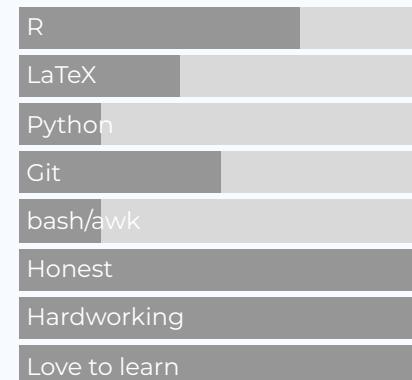
2020 | <ul style="list-style-type: none">● HoD
Department of Animal Science 📍 College of Natural Resources
· See overall administration of the department in addition to teaching |
| 2021

2019 | <ul style="list-style-type: none">● 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 |

CONTACT

- ✉ jtenzin.cnr@rub.edu.bt
🐦 [tenz_jigme](#)
🔗 github.com/jigme77
🔗 jigmetenzin.rbind.io

SKILLS



Last updated on 2023-07-26.

2021 2020	<ul style="list-style-type: none">● Centre Coordinator Centre of Rural Development Studies<ul style="list-style-type: none">• Overall administration and coordination of centre related activities	 College of Natural Resources
2021 2019	<ul style="list-style-type: none">● Project Manager<ul style="list-style-type: none">• Managed and led the project building capacity for climate smart agriculture	 College of Natural Resources
2021 2016	<ul style="list-style-type: none">● Associate Lecturer Department of Animal Science<ul style="list-style-type: none">• Teach and guide undergraduate students	 College of Natural Resources
2017 2016	<ul style="list-style-type: none">● Programme Leader BSc in Animal Science<ul style="list-style-type: none">• Overall administration and coordination of the programme	 College of Natural Resources
2016 2015	<ul style="list-style-type: none">● Assistant Lecturer Department of Animal Science<ul style="list-style-type: none">• Teach and guide undergraduate students	 College of Natural Resources

GRANTS AND AWARDS

2023 2019	<ul style="list-style-type: none">● Building capacity for climate-smart agriculture Bhutan Trust Fund for Environmental Conservation 📍 Thimphu, Bhutan<ul style="list-style-type: none">• Building capacity for faculty and farmers to adapt to climate change and practice climate smart farming
2022 2022	<ul style="list-style-type: none">● Bhutan-KoRAA fellow International Technology Cooperation Centre 📍 Rural Development Administration, South Korea<ul style="list-style-type: none">• Agriculture Management Research Methodology and Analysis
2019 2017	<ul style="list-style-type: none">● TICA scholarship Thailand International Cooperation Agency 📍 Thailand<ul style="list-style-type: none">• MSc in Agriculture (Animal Genetics and Breeding)
2019 2019	<ul style="list-style-type: none">● Young Scientist Award The 2nd International Conference on Native Chicken (ICONC), 2019 📍 Suranaree University of Technology, Korat, Thailand<ul style="list-style-type: none">• Polymorphisms in BMP15, DRD2, STAT5B, and MTNR1C genes and their association with production traits in Thai Pradu hang dam chickens.

- 2019
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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
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2010
- **GOI scholarship**
Department of Adult and Higher Education and Government of India
📍 Mizoram, India
 - Studied BVSc & AH

TEACHING EXPERIENCE

- 2023
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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
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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
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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
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2019
- **Introduction to Animal Production**
BSc in Food Science and Technology
📍 Department of Food Science, College of Natural Resources
 - Teach
- 2017
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2016
- **Farm Animal Genetics and Breeding, Preventive Veterinary Medicine**
BSc in Animal Science
📍 Department of Animal Science, College of Natural Resources
 - Teach

2016
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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

2023
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2023

- **Current Status and Conservation Management of Farm Animal Genetic Resources in Bhutan.** *Veterinary Sciences*¹
Veterinary Sciences, 10(4), 281.
 - Tenzin, J., Chankitisakul, V., & Boonkum, W.

2023
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2023

- **Dry and fresh Zanthoxylum fruits are effective in controlling ticks' infestation in cattle**²
Bhutan Journal of Natural Resources & Development. 10(1) : 44-49.
 - Yangzom, T., Dorji, T., & Tenzin, J.

2022
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2022

- **Women's Vegetable Marketing Group in Bongo, 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
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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
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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 zeamais³**
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® and Fasinash®⁴**
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 chickens⁵**
Khon Kaen Agriculture Journal. 48(1), 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 chickens⁶**
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 chickens⁷**
Master's thesis, Khon Kaen University, 2019). Khon Kaen: Khon Kaen University.
· Tenzin, J.

2019 | 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.
· 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

2021 | 2021

 - **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 (WRCP)

- **Introduction to statistics for Teachers**

Teachers (Introduction to statistics and inferences using school data)
📍 Dechentshemo Central School, Thinleygang, Bhutan

- In partnership with Dr. Om Karel, former Dean of Research and Industrial Linkages

🔗 LINKS

- 1: <https://www.mdpi.com/2306-7381/10/4/281>
- 2: <https://www.bjrnrd.org/index.php/bjrnrd/article/view/85>
- 3: <https://www.journal.nu.ac.th/NUJST/article/view/Vol-29-No-2-2021-84-95>
- 4: <https://bjrnrd.org/index.php/bjrnrd/article/view/58>
- 5: https://ag2.kku.ac.th/kaj/PDF.cfm?filename=19_12.pdf&id=4166&keeptrack=10
- 6: <https://geneticsmr.com/articles/association-polymorphisms-physiological-candidate-genes-phenotype-and-estimated-breeding>
- 7: <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; Mobile: +66 850146611

- **Dr. Om Karel (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; 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; Mobile: +61 0420808440

- **Dr. Nima Norbu (PhD)**

District Livestock Officer, Department of Livestock, Ministry of
Agriculture and Livestock

📍 Gasa, Bhutan

- Email: nimnorbs@gmail.com; Mobile: +97517934718

 DECLARATION

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