

# JIGME TENZIN

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

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

## EDUCATION

- |                   |   |
|-------------------|---|
| 2019<br> <br>2017 | <ul style="list-style-type: none"><li>● <b>MSc in Agriculture (Major in Animal Genetics and Breeding)</b><br/>Khon Kaen University <span style="float: right;">📍 Khon Kaen, Thailand</span><ul style="list-style-type: none"><li>• Thesis: A study of association between genetic markers in candidate genes and production traits in Thai native chickens.</li></ul></li></ul> |
| 2017<br> <br>2017 | <ul style="list-style-type: none"><li>● <b>Post Graduate Diploma in Higher Education (PgDHE)</b><br/>Samtse College of Education <span style="float: right;">📍 Samtse, Bhutan</span></li></ul>  |
| 2016<br> <br>2016 | <ul style="list-style-type: none"><li>● <b>Post Graduate Certificate in Higher Education (PgCHE)</b><br/>Samtse College of Education <span style="float: right;">📍 Samtse, Bhutan</span></li></ul>  |
| 2015<br> <br>2010 | <ul style="list-style-type: none"><li>● <b>Bachelor's in Veterinary Sciences and Animal Husbandry (BVSc &amp; AH)</b><br/>Central Agricultural University <span style="float: right;">📍 Aizawl, Mizoram, India</span></li></ul>   |

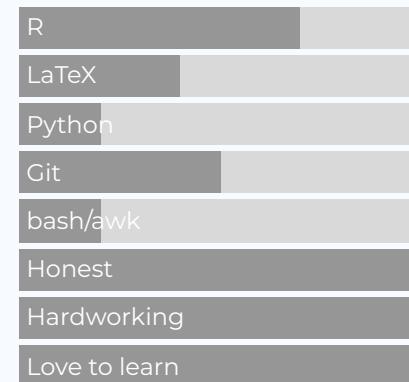
## PROFESSIONAL EXPERIENCE

- |                      |   |
|----------------------|---|
| Current<br> <br>2023 | <ul style="list-style-type: none"><li>● <b>HoD</b><br/>Department of Animal Science <span style="float: right;">📍 College of Natural Resources</span><ul style="list-style-type: none"><li>• See overall administration of the department in addition to teaching</li></ul></li></ul>   |
| Current<br> <br>2021 | <ul style="list-style-type: none"><li>● <b>Lecturer</b><br/>Department of Animal Science <span style="float: right;">📍 College of Natural Resources</span><ul style="list-style-type: none"><li>• Teach and guide undergraduate and MSc students</li></ul></li></ul>  |
| 2021<br> <br>2020    | <ul style="list-style-type: none"><li>● <b>HoD</b><br/>Department of Animal Science <span style="float: right;">📍 College of Natural Resources</span><ul style="list-style-type: none"><li>• See overall administration of the department in addition to teaching</li></ul></li></ul>   |
| 2021<br> <br>2019    | <ul style="list-style-type: none"><li>● <b>Farm manager</b><br/>Piggery, Department of Animal Science <span style="float: right;">📍 College of Natural Resources</span><ul style="list-style-type: none"><li>• Oversee the management of piggery farm at the college and engagement of students in the farm</li></ul></li></ul> |

## CONTACT

- ✉ [jtenzin.cnr@rub.edu.bt](mailto:jtenzin.cnr@rub.edu.bt)  
🐦 [tenz\\_jigme](#)  
🔗 [github.com/jigme77](#)  
🔗 [jigmetenzin.rbind.io](#)

## SKILLS



Last updated on 2023-07-24.

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

## GRANTS AND AWARDS

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

- 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

- 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  
|  
2023

- **Current Status and Conservation Management of Farm Animal Genetic Resources in Bhutan. Veterinary Sciences<sup>1</sup>**  
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<sup>2</sup>**  
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  
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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>3</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® and Fasinash®<sup>4</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>5</sup>**  
 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 chickens<sup>6</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>7</sup>**  
 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 Katel, former Dean of Research and Industrial Linkages

## LINKS

- 1: <https://www.mdpi.com/2306-7381/10/4/281>
- 2: <https://www.bjnr.org/index.php/bjnr/article/view/85>
- 3: <https://www.journal.nu.ac.th/NUJST/article/view/Vol-29-No-2-2021-84-95>
- 4: <https://bjnr.org/index.php/bjnr/article/view/58>
- 5: [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)
- 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](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

## DECLARATION

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