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A. Personal Biodata:

Dr. Yonten Dorji

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B. Qualification:

- PhD in Forest Sciences and Forest Ecology from the University of Göttingen, Germany [2019 – 2023]
- MSc. in Climatology & Mountain Forestry, BOKU University, Austria [2013 to 2015]
- BSc. Environmental Botany, University of Queensland, Australia [2005 to 2008]

C. Job Experience:

- Academician at Royal University of Bhutan [2009 – till date]
- Research Associate (Expatriate employee) at George-August-Universität, Göttingen, Germany [2019 – 2022]
- Head of Forestry Department at the College of Natural Resources [2016 – 2019]
- Programme Leader for BSc. Forestry [2009 – 2013]

D. Publications:

1. **Dorji Y**, Annighöfer P, Ammer C, Seidel D (2019): Response of beech (*Fagus sylvatica* L.) trees to competition- new insights from using fractal analysis. *Remote Sensing* 11 (22): 2656. DOI: [10.3390 / rs11222656](https://doi.org/10.3390/rs11222656)
2. Seidel D, Ehbrecht M, **Dorji Y**, Jambay J, Ammer C, Annighöfer P (2019) Identifying architectural characteristics that determine tree structural complexity. *Springer Nature: Trees - Structure and Function* 33: 911-919. DOI: [10.1007 / s00468-019-01827-4](https://doi.org/10.1007 / s00468-019-01827-4)
3. **Dorji, Y.**, Schuldt, B., Neudam, L. et al. (2021) New insights into tree architecture from mobile laser scanning and geometry analysis. *Dryad*. DOI: [10.5061/dryad.2fqz612n6](https://doi.org/10.5061/dryad.2fqz612n6)

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4. **Dorji, Y.**, Isasa, E., Cabral, J., Tobgay, T., Annighöfer, P., Schuldt, B., & Seidel, D. (2023). Insights into the relationship between hydraulic safety, hydraulic efficiency and tree structural complexity from terrestrial laser scanning and fractal analysis. Research Square. DOI: <https://doi.org/10.21203/rs.3.rs-2744981/v1>
5. **Dorji, Y** and Seidel, D. New insights into drivers and passengers of tree architecture. PhD Dissertation Published by Georg-August-Universität Göttingen, Germany. DOI: <http://dx.doi.org/10.53846/goediss-9891>
6. Sacha, N., **Dorji, Y.**, Nepal, N., Choden, S., Ghally, TB., Dendup, KC. (2021) Regeneration status and soil nutrient content in blue pine forest in Thimphu, Western Bhutan. Indonesian Journal of Social and Environmental Issues (IJSEI), 2 (1), 48-58. DOI: <https://doi.org/10.47540/ijsei.v2i1.201>
7. **Dorji, Y.**, Schuldt, B., Neudam, L. *et al.* (2021) Three-dimensional quantification of tree architecture from mobile laser scanning and geometry analysis. Springer Nature: *Trees* **35**, 1385–1398. <https://doi.org/10.1007/s00468-021-02124-9>
8. Sherub, K, Jambay, J, **Dorji, Y.**, Gyelpo, T, Wangda, L. (2020) A pictorial guide to roadside Avifauna of Punakha District, Bhutan - Pocket field guide. College of Natural Resources
9. **Dorji Y.**, Annighöfer P, Ammer C, Seidel D (2019) Response of internal architecture of beech (*Fagus sylvatica* L.) trees to intra and interspecific competition. Science Meeting of Switzerland, Austria and Germany, Gfö Conference paper, Munster, Germany.
10. **Dorji Y.**, Godbold, DL (2016). The Effects of Experimental Drought on the Fine Root Biomass of Two Different Altitudinal Forests of Bhutan. Master Dissertation. BOKU University, Vienna, Austria.
11. Yonten S, **Dorji Y.** Influence of forest fire frequency on nest-site selection and nest-use by White-bellied heron (*Ardea insignis*) at Athang Gewog under Wangdue Phodrang Dzongkhag (2018). Royal Society for Protection of Nature, Bhutan. Rufford Funded. <https://www.rufford.org/projects>
12. **Dorji Y.**, Ahmed IU, Godbold DL, Wangdi N, (2017). Vegetative and edaphic control on soil C storage in altitudinal forests of Himalayan Bhutan. Poster at the Gfö Conference. DOI: [10.13140/RG.2.2.33514.72641](https://doi.org/10.13140/RG.2.2.33514.72641)
13. Wangdi N, **Dorji Y.**, Om K, Nirola MP (2018). Reducing the Vulnerability of Bhutan's Forests to the Expected Impacts of Climate Change. Policy Brief. UWICER Policy Brief Series 2018: No.1, Ministry of Agriculture and Forestry, Bhutan.
14. **Dorji Y.**, Gamage H, Shmidt S. (2008). Morphological and Biochemical differences between the putative polyploidy and diploid lines of *Elaeocarpus grandis* trees in different temperature regimes. Thesis. University of Queensland, Biological Sciences Faculty, Brisbane, Australia.
15. **Dorji Y.**, Shmidt S. (2007). Alligator Weed (*Alternanthera philoxeroides*) Aggression Over Australian Native Weed (*Alternanthera denticulata*) in a greenhouse experimental setup. University of Queensland, Faculty of Biological Sciences, Australia. DOI: [10.13140/RG.2.2.11657.24163](https://doi.org/10.13140/RG.2.2.11657.24163)

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E. Relevant Conferences and Training:

1. Guest Speaker on “GNH Development Philosophy in Bhutan” as a guest speaker on 19th January 2020 at George-August-Universität, Göttingen, Germany
2. GfÖ Conference presenter on “Response of internal architecture of beech (*Fagus sylvatica* L.) trees to intra and interspecific competition”. Science Meeting of Switzerland, Austria and Germany, 2019 GfÖ Conference, Munster, Germany.
3. Resource person for Training of officials/staff of MoAF funded by EU-TCP, European Union Project, Started December of the Year 2017 and will end in the Year 2020 (4 Years)
4. Training on Research Methods and Statistics in July, 2010: Thailand International Cooperation Agency (TICA)
5. Continuous Professional Development (CPD) on ‘21st Century Students’ Centered Teaching and Learning’ for ten days at Samtse College of Education.
6. National workshop on policy review for the Community Forests of Bhutan in April of 2009.
7. National Level Consultative Workshop on Development of Ecotourism Framework for protected areas in Bhutan (Ministry of Agriculture (MOA).
8. Workshop on “Advanced Course in Geo-Statistics,” on December of 2012: Ugyen Wangchuk Institute for Conservation and Environment (UWICE)
9. International Climate and Society Conference: Organized by Ugyen Wangchuk Institute for Conservation and Environment (UWICE)
10. Coordinator for “Seminar on Breeding Programme on Chilli and Tomato at Khon Kean, Thailand”: 18th of March, 2011 – Thailand International Cooperation Agency (TICA).
11. Training on Virtual Learning Environment and Instructional Design at Gaedu College of Business Studies in June 2012: Organized by Office of Vice Chancellor, Royal University of Bhutan.
12. The Gross National Happiness Consistent Pedagogy Workshop in 2013: Organized at Paro College of Education, Royal University of Bhutan.
13. The “Universal Human Values and Professional Ethics” on April 2013 at Gaedug College of Business Studies: Organized by Ganesh Prasad Bagaria, IIT, Kanpur.

F. Area of Interests:

- Forest Ecology
- Climate Change
- Tree Architecture and Forest Structure
- Fine root biomass and carbon storage
- Terrestrial Laser Scanning
- Silviculture
- Mindfulness training