

CURRICULUM VITAE



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PERSONAL STATEMENT

I am a self-driven and passionate academic pursuing a PhD in *Fishery Industry Value Chain Analysis* along Kolkata-Bara-Kathmandu-Rasuwa Corridor under the Department of Agricultural Economics, Tribhuvan University Nepal. With over 25 years of experience in teaching, research, and development, my work spans agricultural economics, rural development, and agricultural sciences. I have been serving as an Assistant Professor at Tribhuvan University, where I teach a range of undergraduate courses including *Farm Management and Production Economics, Nepalese Agriculture Planning & Policies, Agricultural Marketing, Cooperatives and International Trade*, as well as postgraduate courses such as *Microeconomics, Econometrics, Financial management, and Research methodology*. My research expertise lies in study design, data analysis, and policy-oriented investigations using Stata, SPSS and other statistical software. My findings have been published in peer-reviewed journals, book chapters, conference proceedings, and monographs, with contributions in areas such as agri-value chains, efficiency analysis, climate-smart agriculture, production economics, food marketing, and risk assessments. I am also proficient in academic communication and presentations, with strong command of Nepali, Hindi, and English, advanced skills in MS Office and related applications.

I. EDUCATION

1.1 PhD in Agricultural Economics, Running (from 28th, Nov 2021) at Institute of Agriculture and Animal Science (IAAS), Tribhuvan University.

- **Thesis title:** Fishery Industry Value Chain Analysis in Major Production and Consumption Hubs in Nepal.
- **Supervisors:** D. Gauchan, T. B. Gurung, Y.B Thapa & H. K. Panta
- **PhD Fellow Award** from University Grant Commission (UGC) Nepal decided on 21th August 2022.

1.2 International M.Sc. in Rural Development (Erasmus Mundus Programme), Great distinction, 2008-2010, 4th position in score

- **University attended:** Ghent University, Belgium -Coordination University and 1st Semester, Humboldt University Berlin Germany -2nd, 3rd and 4th Semester, Slovak University of Agriculture Nitra
- **Awardee:** Erasmus Mundus Scholarship 2008-2010
- **Thesis topic:** Impact of trade liberalization on national food security: A case study of Nepal
- **Supervisors:** Prof.Dr.Dr h.c. Harald von Witzke, and Gerald Swartz, Department of Agricultural Trade, Humboldt University of Berlin, Germany
- **Intern case study:** Leader Axis in Slovakia-Strategies and Institutions, the Case Study Supervised by: Prof. Dr. Peter Bielik and Prof. Dr. Anna Bandlerova

1.3 M.A. in Rural Development, 2003-2005, First division, 3rd highest in degree nationally, Department of Rural Development, University Campus, Tribhuvan University

- **Thesis topic:** Impact of Rural Infrastructure Work Programme on Rural Food Security: A case of Tallo Mathillo Dungeshwor, Dailekh
- **Supervisor:** Prof. Dr. Umakanta Silwal and Prof. Dr. Pradeep Khadka.
- **Project:** Utilization of Institutional Loan in Banke: A case of Nepal Agri Dev. Bank. Supervised by Prof. Dr Bishnu Sharma

1.4 B.Sc. (Agriculture), with elective Agricultural Economics, 1996-1999, First division, within 10% academic rank, Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Nepal

1.5 Intermediate in Science (Agriculture), 1992-94, Institute of Agriculture and Animal Science (IAAS), Paklihawa Campus Tribhuvan University, Nepal

1.6 High School, Shree Himalaya Higher Secondary School, Vastu Gulmi Nepal,1991, First division, topmost academic rank in class and school between class-five to ten.

2.PROFESSIONAL EXPERIENCES

2.1Assistant Professor, Department of Agricultural Economics, Permanent Faculty, Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Nepal 1st February 2018(19 /10/2074 B.S) to date

Student Welfare Chief, 2019-2020, nominated by Student Welfare and Sports Directorate, Tribhuvan University, Katmandu.

2.2Assistant Professor, Dept. Agricultural Economics, Contract Full-time faculty Lamjung Campus, Tribhuvan University, 14 Jan 2013- 30 Jan 2018 (1st Magh 2069 to 18 Magh 2074, B.S).

2.3 Teaching Assistant: Agriculture and Animal Science (IAAS), Lamjung Campus, Tribhuvan University, 19 July 2012- 13 January 2013. (5th Shrawan to Pouse, 2069 B.S).

Teaching courses for undergraduate level (B.Sc. Agriculture)

- **Principle of Economics (AEC 111,2+0)**- A foundational theory course introducing students to the core concepts of production, consumption, and distribution. Fundamental topics include utility theory, demand and supply, market structures and price determination, factors of production, theories of profit, and population theories.
- **Farm Management and Production Economics (AEC121, 2+1)**- A theory-cum-practical course that equips students with principles and techniques of farm management and production economics. Emphasis is placed on farm-level decision-making for profit maximization and cost minimization.
- **Agricultural and Environmental Resource Economics (AEC211, 2+0)**-This course covers classification and allocation of natural resources, Gordon-Schaefer's bioeconomic model, Hotelling's rule for non-renewable resource use, environmental impact assessment for agricultural projects, and valuation techniques for non-market goods.
- **Nepalese Agriculture Planning and Policies (AEC221, 2+0)**- Students are taught on Nepal's agricultural development frameworks, including key policies, plans, institutions, and strategies for sectoral growth and transformation.
- **Agriculture Marketing, Cooperatives and International Trade (AEC 311, 2+1)**- Introduces students to domestic and international agricultural markets, marketing functions, cooperative marketing, and Nepal's trade position in agricultural commodities.
- **Agriculture Project Planning and Management (AEC321, 2+1)**- A combined theory and practical course covering planning and management of agricultural development and research projects. Topics include logical frameworks, project cycle management, and project's impact evaluation tools.
- **Agribusiness Management and Financing (AEC411, 2+1)**- Provides students with knowledge on agribusiness operations, organizational structures, marketing, trade, financial auditing, and investment appraisal. The course also includes field-based components such as value chain analysis and agribusiness plan development.

Teaching courses for Postgraduate Level (M.Sc. Agriculture – Agricultural Economics)

- **Mathematical Economics (AEC 701, 3+0)**- Taught from 2013 to 2018, this course builds on undergraduate-level economics and covers set theory, linear and non-linear models, matrix algebra, calculus (derivatives and integrals), and mathematical programming for economic analysis.
- **Microeconomics (AEC702, 3+0)**- Taught since 2014, this course explores consumer equilibrium, demand and supply analysis, factor cost analysis, production efficiency, market structures, price formation, welfare economics, and dynamic/static microeconomic models.
- **Econometrics (AEC 704 (3+0))**- An advanced analytical course emphasizing regression techniques including classical and dynamic models, non-linear and limited dependent variable models, simultaneous equations, and introductory panel data analysis.
- **Natural Resource Economics (AEC 712, 3+0)**: An advanced continuation of AEC 211, focusing on resource modeling for both renewable and non-renewable resources, property rights, transaction costs, population dynamics, pollution management and optimal pricing strategies, and socioeconomic impact assessment.
- **Research Methods for Social Science (AEC 705, 2+1)**: Designed to teach postgraduate students covering research design, data collection and analysis, statistical testing, ethical considerations, and applied research methodologies. It builds on undergraduate research foundation courses (e.g., RPS 421). Their discussion papers are evaluated on various research formats, including survey research, library-based research, literature reviews, and case studies.

Individual Thesis Project Supervised

- **1.Prativa Baral** (Winter 2025): Co-supervised thesis on “Impact of Indian trade restriction provision on import and price of non-basmati rice in Nepal”.
- **2.Ujjwal Bikram Shahi** (Winter 2025): Major supervisor of independent study on “Economics of sugarcane production in Sarlahi district of Nepal”.
- **3. Sanju Khanal** (Autumn, 2024): Major supervisor of independent study on “Study on fishery business in Nawalpur district Nepal”.
- **4. Shrijana Adhikari** (Winter, 2024): Co-supervised thesis on “Socio-economic analysis of mulching practices in potato cultivation in Kavre Palanchowk district, Nepal”.

- **5. Prativa Sharma** (Winter, 2024): Co-supervised master thesis on “Economics of production and marketing of selected cut-flowers in Kathmandu valley of Nepal”.
- **6. Pradip Gyawali** (Winter 2024): Co-supervised thesis on “Analyzing food security among marginalized communities in Bagamati province, Nepal”.
- **7. Babita Tiwari** (Winter, 2023): Co-supervised thesis on “Comparative economics of indigenous and crossbreed chickens reared under scavenging system in Nepal”.
- **8. Nabin Kunwar** (Spring 2024): Major supervisor (with Dr. H. K. Panta and Prof. Tara Bhusal) for thesis research on “Analyzing production and marketing efficiency of organic coffee entrepreneurs in the Western hill districts, Nepal”.
- **9. Deepak Raj Joshi** (Spring, 2023): Major supervisor (with Dr. H. K. Panta and Prof. Tara Bhusal) for thesis research on “Determinants of investment decisions in vegetable production in Sunasari district, Nepal”.
- **10. Gaurab Neupane** (Winter 2023): Major supervisor (with Dr. H. K. Panta and Prof. Tara Bhusal) for thesis research on “Consumers’ wiliness to pay for organic vegetables in Dang, Nepal”.
- **11. Bikesh Thapa** (Spring 2023): Major supervisor (with R.H. Timalisina and Mr. H.K Panta) for thesis research on “Assessment of credit on vegetable farm’s technical efficiency in Kavrepalanchowk district, Bagamati province, Nepal”.
- **12. Suraj Bharati** (Spring, 2022): Major supervisor (with D. Kattel and H. K. Panta) for thesis research on “Role of agricultural input subsidies in technical efficiency and agricultural commercialization in Kavrepalanchok, Nepal”.
- **13. Santosh Kumar Bhattra** (Spring, 2022): Co-supervised thesis on” Comparative economics of tissue culture vs sucker propagated banana cultivation in Chitwan, Nepal”.
- **14. Santosh Bhatta** (Spring, 2022): Co-supervised thesis on” Value chain analysis of sugarcane sub-sector in Kanchanpur district of Nepal”.
- **15. Santosh Bhatta** (Spring, 2022): Co-supervised thesis on” Value chain analysis of sugarcane sub-sector in Kanchanpur district of Nepal.”
- **16. Gita K.C** (Spring, 2022): Co-supervised thesis on “Financial viability of cold storage business in Central part of Nepal”.

- **17. Chandan K.C.** (Spring 2021): Co-supervised thesis on “Economics of production and marketing of buffalo milk in Lalitpur district of Nepal”.
- **18. Preeti Subedi** (Winter 2021): Major supervisor (with R. Adhikari and H. K. Panta) for thesis research on “Role of agriculture cooperatives in vegetable marketing along the Prithivi Highway Corridor Nepal”.
- **19. Narendra Maharjan** (Spring, 2021): Major supervisor (with A. G.C and H. K. Panta) for thesis research on “Impact of COVID-19 lockdown on vegetable supply chain in Lalitpur District, Nepal”.
- **20. Mahesh Karki** (Spring, 2021): Major supervisor (with K. R. Dahal and H. K. Panta) for thesis research on “Policy perceptions and barriers regarding efficient use of nitrogenous fertilizers in Nepal”.
- **21. Anupam Upreti** (Spring, 2021): Co-supervised thesis on “Driving factors of agricultural land conversion in vegetable pocket areas of Dhading district, Nepal”.
- **22. Bibek Dital** (Spring, 2021): Co-supervised thesis on “Determinants of farm income among integrated farm holders in Kavrepalanchowk District Nepal”.
- **23. Amita Pandey** (Winter, 2020): Major Supervisor (with D. Bista and H.K. Panta) for thesis research entitled “Determination of efficiency of sugarcane producers in Kapilvastu and Nawalparasi (West) district, Nepal”.
- **24. Samita Poudel** (Winter, 2020): Major Supervisor (with S. Thapa and H.K. Panta) on “Price transmission and market integration of wheat in Nepal”.
- **25. Prakash Marasini** (Winter 2020): Major supervisor with (Arun G.C. and H. K. Panta) entitled “Socioeconomic determinants for vegetable seed business and marketing situation in West Rukum, Nepal”.
- **26. Nawaraj Upadhyaya** (Winter 2020): Major supervisor (with Arun G.C. and H. K. Panta) entitled “Comparative performance of microfinance models in Nepal”.
- **27. Narayan Lamsal** (Winter 2020): Co-supervised thesis on “Value chain analysis of Kiwifruit in Ilam district Nepal”.
- **28. Kiran Raj Sapkota** (Winter 2020): Co-supervised thesis on “Adoption behavior impact and economics of power tiller operated reaper in rice harvesting”.
- **29. Abiskar Pokharel** (Spring, 2020): Co-supervised thesis on “Economics of duck egg production among Dalit communities in Bhagawanpur Rural Municipality of Siraha District Nepal”.

- 30. **Swasthani Silwal** (Winter, 2020): Co-supervised thesis on “Study on factors affecting access to formal credit and its use in Benighat Rorang Rural Municipality of Dhading district, Nepal.”
- 31. **Surakhya Subedi** (Spring, 2019): Major Supervisor with (Dr H. K. Panta and Arun K.C) for thesis entitled “Study on Socioeconomics and farmer’s perception on climate-smart agricultural technologies in Gulmi and Nawalparasi Districts, Nepal”.
- 32. **Hemlal Bhandari** (Spring 2019): Major supervisor with (H.K. Panta and K. Timilsina) for thesis on “Tomato supply chain efficiency in Kathmandu valley Nepal”.
- 33. **Sujan Mishra** (Spring 2019): Co-supervised thesis on “Determinants of adoption of climate-smart agriculture in rice farming in Nawalparasi district in Nepal.”
- 34. **Ramhari Timalina** (Autumn 2019): Co-supervised thesis on “willingness to pay for paddy insurance in Chitwan district in Nepal”.
- 35. **Ramhari Timalina** (Autumn 2019): Co-supervised thesis on “Willingness to pay of farmers for paddy insurance in Chitwan district in Nepal”.
- 36. **Rukmina Adhikari** (Autumn 2019): Co-supervised thesis on “Study on adoption of climate-smart technologies from gender perspectives in Kaski district of Nepal”.
- 37. **Bhawana Poudel** (Winter 2019): Co-supervised thesis on “Value chain analysis of large cardamom in Nuwakot district Nepal”.
- 38. **Santosh Pathak** (Winter, 2018): Co-supervised thesis on “Economic impacts of riverine flood among farmers of Saptari district, Nepal”.
- 39. **Bibek Panta** (Winter 2017): Major supervisor with (H.K. Panta and H. Neupane) for thesis on “Vulnerability and disaster risk management strategy of erosion in Maize field of Sindhukhola Sub-watershed Region, Nepal”.
- 40. **Gaurav Luitel** (Winter, 2017): Co-supervised thesis on “Value chain analysis of coffee production in central Nepal.”
- 41. **Lalan Singh** (Autumn 2017): Co-supervised thesis in “Impact of land policy on land fragmentation situation: A case of Saptari District, Nepal”.
- 42. **Narayan Pd. Pathak** (Spring 2016): Co-supervised thesis on “Comparative economics of climate change adaptation of potato growers in Chitwan District Nepal”.

- **43. Makbul Ali** (Spring, 2016): Co-supervised thesis on “Economics of garlic (*Allium sativum* L.) production in Kavrepalanchowk district, Nepal.”
- **44. Apar G.C** (Winter 2016): Co-supervised thesis on “Study on effect of household characteristics on livestock: a case of Chitwan and Dolakha district, Nepal.
- **45. Nabin Bhandari** (Winter 2014): Co-supervised thesis on “Factors affecting course rice price instabilities in Nepal”

2.4 Value Chain Development Specialist, Project for Agricultural Commercialization and Trade (PACT), Funded by World Bank and Ministry of Agriculture and Livestock Development, Kathmandu, Nepal, June 2011- 18 July 2012.

2.5 Agriculture and Economic Promotion Officer, German Technical Cooperation (GTZ/GIZ) Nepal, Nov 2001- Aug 2008. I worked for three important projects:

2.5.1 Integrated Food Security Project (IFSP/GTZ)

Technical Assistance to the Rural Community Infrastructure Works (RCIW) Program (Nov 2001 – Dec 2004)

Implemented jointly by the Ministry of Local Development, World Food Programme (WFP), and German Technical Cooperation (GTZ) in Dadeldhura, Doti, Achham, and Darchula.

- Served at the regional office in Dadeldhura, overseeing the implementation of regional agricultural programs.
- Led micro-projects in fruit farming, vegetable production, goat and poultry farming aimed at improving long-term food security for core-poor households.

2.5.2 Rural Program Nepal (RPN/GTZ)

Technical Assistance to the RCIW Program (2005 – 2007)

Jointly implemented in Pyuthan, Salyan, Dailekh, Jajarkot, and Kalikot.

- Contributed to planning and executing integrated rural development interventions, focusing on food security and income-generating agricultural activities in mid- and far-western Nepal.

2.5.3 Poverty Alleviation in Selected Rural Areas (PASRA/GTZ) (2007 – 2008)

Launched in Surkhet, Pyuthan, Salyan, and Jajarkot districts.

- Responsible for agricultural planning and implementation of value chain development in selected sub-sectors.
- Facilitated the mobilization of local NGOs for delivery of community-based agricultural services and enterprise development targeting poor and marginalized households.

2.6 Agricultural Officer cum Unit Chief, Development Project Service Centre (DEPROSC-Nepal, June 2000 – October 2001)

- Worked under the **Community-Based Economic Development Project**, funded by the **Canadian Centre for International Studies and Cooperation (CECI)**.

- Implemented integrated agricultural programs, including:
 - Promotion of agricultural programs including promotion of cooperatives
 - Community forestry initiatives
 - Mobilization of savings and credit cooperatives
 - Local market development
 - Implementation of Positive Deviance (PD)-based projects to strengthen nutrition centres, food security and community resilience.

2.7 Teaching experience in secondary school

- **Agricultural Teacher, Rajhena Secondary School**, Ghorahi, Dang, Nepal, Appointed by the District Education Office, Ghorahi where I taught **Agriculture, Science, and Mathematics** from **March 1, 1995 to April 30, 1996**.
- **Agricultural Teacher, Shri Panchayan Secondary School**, Jaisithok, Dhurkot Rural Municipality, Gulmi, Lumbini Province, where I taught **Agriculture, Science, and Mathematics** from **March 1, 1994 to February 27, 1995**.

III. RESEARCH EXPERIENCE

3.1 Collaborative researcher

Research title: Designing Policy Research for Developing Policy Briefs under Agriculture Transformation 2.

Sub-project title: *How to Increase Profitability and Transform Nepalese Small-Scale Aquaculture?*

Duration: February–July 2024

Funding Agency: Institute of Integrated Development Studies (IIDS) through the Policy Research Capacity and Influence (PRCI) Nepal Activity of the International Food Policy Research Institute (IFPRI), Michigan State University, and the Nepal Agricultural Economics Society (NAES).

Selection and Stakeholders: Competitively selected as one of the top nine researchers out of 27 applicants. Other participants represented NARC, MoALD, NGO, and universities, with the program executed by IIDS.

Major activities:

- Participated in a three-day inhouse training, workshop and writeshop;
- Conducted explorative surveys for primary data collection, and collected secondary data from different sources;
- Undertook data analysis;
- Drafted and revised the policy brief through series of writeshops, stocktaking meetings and feedback sessions;
- Finalized and edited the policy brief for publication.

Report submitted and published at:

Bhandari, T., Gauchan, D., Gurung, T. B., Thapa, Y. B., & Panta, H. K. (2024). *How to Increase Profitability and Transform Nepalese Small-Scale Aquaculture?* <https://www.canr.msu.edu/prci/uploads/files/Total%20Policy%20Briefs%20as%20of%20May%202024.pdf>

3.2 Site Coordinator for Research Project “*Determining Optimum Nitrogen Rate for Irrigated Rice in Central Terai and Mid-Hill Conditions of Nepal*”.

Districts: Lamjung district and Rupandehi district

Duration: June 2020 – February 2021

Funding Agency: International Fertilizer Development Center (IFDC) South Asia Office

Research activities

- Site selection and conduction of field trials;
- Mobilize staff for maintaining trial protocols;
- Measurement of data in a weekly basis within project trial, control condition and farmers’ condition
- Data analysis and report preparation

Report submitted by research team:

Panta, H. K., Gairhe, J. J., & **Bhandari, T.** (2021). *Determine Optimum Nitrogen Rate for Irrigated Rice in Central Terai and Mid-Hill Conduction in Nepal* (1). Directorate of Research and Publication, Kirtipur, International Fertilizer Development Centre (IFDC), Kathmandu Office. <https://ifdc.org/projects/>
<https://iaas.tu.edu.np/pages/journal-research-report-1793>

3.3 Socio-economist, Member for IAAS-IRRI joint research project

Project Title: *Stress Tolerant Rice Varieties for Africa and South Asia (STRASA)*

Funding Collaboration: International Rice Research Institute (IRRI) and Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Nepal

Duration: 24 September 2014 – March 2019.

Major activities:

- Prepare annual plans as per budget ceiling of IRRI fund;
- Execute research activities such as rice research trials, training, socioeconomic studies by mobilizing office staff and students for research activities
- Procure research inputs
- Organize training and field visit activities;
- Collect data and do data analysis,
- Prepare research reports and submit at IRRI (Country Office and Philippines).

Key Outcomes:

- A multi-disciplinary research team was established under the leadership of the Dean, IAAS. Faculty members and students were mobilized to implement numerous varietal trials, including local upland rice (*Ghaiya*), improved irrigated rice, hybrid varieties, and drought-tolerant rice varieties (DTRVs).
- Seed-producing farmer groups were strengthened and aligned toward market-oriented production over a span of 15 years.
- A notable seed replacement rate (SRR) shift occurred in varietal replacement—low-yielding local and irrigated rice varieties were replaced by high-yielding, non-drought and drought-tolerant varieties.
- The adoption rate of DTRVs expanded rapidly, especially in areas affected by erratic and shortened rainfall cycles due to climate change. These varieties became increasingly popular among vulnerable and resource-poor farming communities.

Following reports submitted by research team:

Adhikari, K. R., Dhital, B., Dahal, K. R., Panta, H. K., Adhikari, B. B., **Bhandari, T.**, & Poudel, A. (2019). *Stress Tolerant Rice for Africa and South Asia (STRASA, Third Phase 2015-2018)* (1). International Rice Research Institute (IRRI), Directorate of Research and Publication (DoRP), IAAS. <https://www.irri.org/where-we-work/countries/nepal>

Adhikari, K. R., Dhital, B., Panta, H. K., Adhikari, B. B., **Bhandari, T.**, & Shrestha, R. K. (2018). *EC IFAD Funded Project on Drought Tolerant Rice (2014-2017)* (1). International Rice Research Institute (IRRI) Directorate of Research and Publication (DoRP), IAAS. <https://www.irri.org/where-we-work/countries/nepal>

Adhikari, K. R., Dhital, B., Panta, H. K., Adhikari, B. B., **Bhandari, T.**, & Shrestha, R. K. (2018). *Accelerating the Adoption of Stress Tolerant Rice Varieties by Smaller Farmers in Nepal and Cambodia (USAID-ASTV PROJECT 2015-2017)* (1). International Rice Research Institute (IRRI) Philippines and IRRI-Nepal office Kathmandu. <https://www.irri.org/where-we-work/countries/nepal>

3.4 Principal Investigator (PI) for research title: Factors affecting food price instabilities in Nepal.

Research members: Nabin Bhandari and Hari Krishna Panta

Funded by: Competitively selected as one of the many faculty applicants at University Grants Commission (UGC), Nepal

Duration: 2013-06 to 2014-06

Research activities:

- Prepared and submitted research proposal;
- Collected and analyzed secondary data;

- Presented draft and final report;
- Prepare and submitted final project report.

Outcomes: Short-term and long-term determinants affecting course and fine rice were identified, Research report submitted and article published at UGC Journal.

Following report submitted by research team:

Bhandari, T., Panta, H. K., & Bhandari, N. (2014). *Analyzing Factors Affecting Food Price Instabilities in Nepal* [Final Research Report]. <https://ugcnepal.edu.np/>

3.5 Principal Investigator for mini-research title: Dairy sub-sector value chain analysis in Lamjung District.

Funded by: Research Division, Tribhuvan University

Duration: 2013/01 to 2014/04

Research activities:

- Prepare and submit research proposal;
- Collect and analyze primary and secondary data;
- Present draft and final report;
- Prepare and submit final project report.

Following report submitted by:

Bhandari, T. (2014). *Dairy Sub-Sector Value Chain Analysis in Lamjung District* [Final Research Report]. <https://tu.edu.np/pages/center-for-research-26>

3.6 Thesis Research: Impact of trade liberalization on national food security: A case study in Nepal

Master thesis research completed between September 2009- June, 2010.

Bhandari, T. (2010). *The Impact of Trade Liberalization on National Food Security: A Case Study in Nepal* (1)[Master Thesis]. Ghent University, Belgium (Coordinating University).https://libstore.ugent.be/fulltxt/RUG01/001/432/195/910001148677_2024_0001_AC.pdf

3.7 Project Research: Utilization of institution loan: A case of Nepal Rastra Bank Kajura Banke Nepal.

Master project report (2005-06) submitted at Dept of Rural Development, Tribhuvan University

3.8. Research title: Impact of Rural Infrastructure Work (RCIW) Programme on rural food security: A case study of Tallo-Mathillo Dungeshwor, Dailekh

Master thesis report (2005-06), submitted at Dept of Rural Development, Tribhuvan

University

Bhandari, T. (2006). *Impact Rural Community Infrastructure Works Programme in Rural Food Security: A Case Study of Tallo-Mathillo Dungeshwor of Dailekh District* (1)[Master Thesis]. Department of Rural Development, Tribhuvan University. <https://elibrary.tucl.edu.np/search?query=Thaneshwar%20Bhandari>

IV. PUBLICATIONS

4.1. Books (monographs, booklets)

Bhandari, T., & Khadka, R. (2024). *Rooftop Vegetable Cultivation Technology* (Second ed.). Budhanilakantha-10, Kathmandu.

Bhandari, T., & Khadka, R. (2018). *Rooftop Vegetable Cultivation Technology for Urban Areas (Nepali Version)* (1st ed.). Budhanilakantha-10, Kathmandu.

Bhandari, T. (2011). *Impact of Trade Liberalization on National Food Security in Nepal: Multi-Marketing Modelling Approach*. LAP LAMPERT Academic Publishing.

Bhandari, T. (2007). *Plastic House Technology for Vegetable Cultivation* (First ed., Vol. 1). German Technical Cooperation (GTZ), Nepalgunj

4.2 Book chapter

Gurung, T. B., Pokharel, N., **Bhandari, T.**, Ghimire, R., Gahatraj, P., Chaudhary, A., Mehta, S.N., Bohara, R., Gyawali, N., Chudali, H.D., Karim, M., & Ojha K. (2025). Fish. In B. Bhandari and S. Iwasaki (Compilers.), *The Living with Wetlands, An Ethnobiology of Fauna and their Socio-Cultural Values* (pp. 24–29). Nepal Wetlands Society, Kathmandu Nepal.

Bhandari, T., & Gurung, T. B. (2024). Assessing welfare of Nepalese small-scale fisheries. In R. Ghimire, N. Pokharel, T. Bhandari, & T. B. Gurung (Eds.), *The Beauty & the Bounty at Risk: Small-scale fisheries of Nepal* (pp. 98–123). TBTI Global <https://tbtiglobal.net/tbti-nepal-hub/>

Bhandari, T. (2023). बाली, पशुपंछि तथा ज ड्बुटी बीमा वर्तमान अवस्था, जो खम न्युनिकरण, तथा नीतिगत व्यवस्थाहरू [Present status on crop, livestock medicinal plants insurance, risk minimization and policy provisions]. In R. K. Shrestha, S. Karki, G. Dhital, N. B. Singh, D. Rana, & S. Aryal (Eds.), *Lamjung Campus Sambad 2079* (Vol. 1, pp. 60–71). Research Development Training and Extension Centre, Lamjung Campus. <https://lac.tu.edu.np/publications>

Bhandari, T. (2021). नाफामुखी कृ ष उद्योग संभाव्यता तथा नीतिगत प्राथ म ककरण [Profit oriented agro-industry potentialities and policy priorities]. In R. K. Shrestha, T. Bhandari, M. Jaishi, R. Subedi, K. Kafle, S. Mahato, N. B. Singh, G. Rawal, & S. Aryal (Eds.),

Lamjung Campus Sambad 2078 (Vol. 1, pp. 54–65). Research Development Training and Extension Centre, Lamjung Campus.
<https://lac.tu.edu.np/publications>

Bhandari, T. (2018). धानबाली बीउ मूल्यशृंखला स्थिति अध्ययन [Situational Analysis of the Rice Seed Value Chain]. In T. Bhandari, K. R. Dahal, H. K. Panta, & B. B. Adhikari (Eds.), *Rice Research, Production Technology and Marketing under Changing Climate* (Vol. 1, pp. 11-25). Directorate of Research and Publication (DoRP), Dean Office, Tribhuvan University.

Bhandari, T., Luitel, G., & Panta, H. K. (2018). Value Chain Analysis of Organic Coffee Sub-sector in Nepal, published in GES 2018 Handbook, pp.99-109. In M. V. I. R. a. D. Centre (Ed.), *Summit Handbook of 7th Global Economic Summit: Accelerating MSME Growth, Development and Sustainability* (Vol. 1, pp. 99–109). World Trade Centre, Mumbai, India <https://wtcmumbai.org/>

4.3 Policy brief

Bhandari, T., Gauchan, D., Gurung, T. B., Thapa, Y. B., & Panta, H. K. (2024). How to Increase Profitability and Transform Small-Scale Aquaculture?" IIDS, IFPRI South Asia, NAES and Michigan State University, 2025: pp, . In *Policy Briefs on Agricultural Transformation: Policy Research Capacity and Influence (PRCI): Nepal Activity IFPRI* (IIDS, IFPRI ed., Vol. 1, pp. 70 – 82). Michigan State University, USA.
<https://www.canr.msu.edu/prci/uploads/files/Total%20Policy%20Briefs%20as%20of%20May%202024.pdf>

4.4 Journal articles

Uprety, A., Panta, H. K., **Bhandari, T.**, & Timsina, K. (2024). Agricultural land conversion: trends and drivers in Dhading, Nepal. Co-authored with A. Upreti, H. K. Panta, and K. Timsina. *GeoJournal* 2024 *GeoJournal*, 89(5), 1–20.
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Bharati, S., **Bhandari, T.**, Panta, H. K., & Thapa, B. (2024). Understanding allocation and farmers' access to varied level of agricultural input subsidies from different tiers of government: A case study in Kavrepalanchowk District, Nepal. *Agriculture Development Journal*, 17, 23–36.
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- Adhikari, A., & **Bhandari, T.** (2022). Socio-economic analysis of ginger production in Terhathum district, Province no. 1, Nepal. *Archives of Agriculture and Environmental Science*, 7(1), 61–69. <https://doi.org/10.26832/24566632.2022.070109>
- Bhandari, H. L., **Bhandari, T.**, Panta, H. K., & Timsina, K. P. (2021). Supply chain efficiency of tomato in Kathmandu valley *Journal of Agriculture and Natural Resources*, 4(1), 111–119. <https://doi.org/10.3126/janr.v4i1.33232>
- Poudel, P., Khanal, A., & **Bhandari, T.** (2021). Financial appraisal of coffee growers and traders in Kaski, Gandaki Province Nepal. *Journal of Food & Agribusiness Management*, 4(1), 35–41. <https://doi.org/10.26480/fabm.01.2021.35.41>
- Bhandari, T.** (2020). Intercampus grading performance among principles of economics examinees. *Journal of the Institute of Agriculture and Animal Science*, 36(1), 41–52. <https://doi.org/10.3126/jiaas.v36i1.48379>
- Mishra, S., Panta, H. K., **Bhandari, T.**, & K. C., A. (2020). Analysing the socioeconomic determinants of adoption of climate-smart agriculture in Nawalparashi district of Nepal. *Journal of the Institute of Agriculture and Animal Science*, 36(1), 21–29. <https://doi.org/10.3126/jiaas.v36i1.48379>
- Timilsina, N., & **Bhandari, T.** (2020). Study on arrivals and pricing situation of major vegetables in Pokhara wholesale market, Nepal *Food and Agribusiness Management*, 1(1), 16–25. <https://doi.org/10.26480/fabm.01.2020.16.25>
- Tiwari, A., & **Bhandari, T.** (2020). Study on capital investment and marketing of Kiwi fruit in Ilam, Nepal. *Acta Scientific Agriculture*, 4(6), 13–20. <https://doi.org/10.31080/asag.06.2020.04.0844>
- Pandey, A., **Bhandari, T.**, Panta, H. K., Bista, D. R., & Devkota, S. (2020). Profitability and resource use efficiency of sugarcane production in Nawalparasi west district, Nepal. *Cogent Food and Agriculture*, 6(1), 1–12. <https://doi.org/10.1080/23311932.2020.1857592>
- Panta, B., **Bhandari, T.**, & Paudel, B. (2020). Soil erosion vulnerability and adaptation strategies in maize field of Sindhukhola sub-watershed region, Nepal. *Discover Applied Sciences*, 2(1940). <https://doi.org/10.1007/s42452-020-03747-2>
- Pathak, S., Panta, H. K., **Bhandari, T.**, & Poudel, K. P. (2020). Flood vulnerability and its influencing factors. *Natural Hazards*, 104(3), 2175–2196. <https://doi.org/10.1007/s11069-020-04267-3>

- Bhattraï, S., **Bhandari, T.**, Adhikari, S., & Sapkota, B. (2019). Value chain analysis of areca nut sub-sector; A case study of Jhapa. *Acta Scientific Agriculture*, 3(11), 133–139. <https://doi.org/10.31080/asag.2019.03.0698>
- Bhandari, N., & **Bhandari, T.** (2018). Marketing and socioeconomic aspects of large cardamom production in Tehrathum, Nepal. *Journal of Nepal Agricultural Research Council*, 4(1), 79–85. <https://doi.org/10.3126/jnarc.v4i1.19693>
- Bhandari, T.** (2015). Factors affecting food price instabilities in Nepal. *The Journal of University Grants Commission*, 4(1), 19–33. <https://www.ugcnepal.edu.np/downloads/>
- Bhandari, T.** (2015). Analysing dairy business value chains in Far-western Districts <http://dx.doi.org/>. *Journal of the Institute of Agriculture and Animal Science*, 33-34(1), 269–281. <https://doi.org/10.3126/jiaas.v33i0.20714>
- Bhandari, T.** (2015). Dairy business value chain analysis in Lamjung district of Nepal [Research article]. *International Journal of Agricultural Marketing*, 2(3), 57–67. www.premierpublishers.org

4.5 Conference article

- Bhandari, T.**, Gauchan, D., Gurung, T. B., Thapa, Y. B., & Pathak, S. (2025). *Household demand for fish and protein substitutes in Nepal: A QUAIDS-Based analysis* [Conference Paper]. 2025 AAEE and WAEA Joint Annual Meeting Denver, Co, USA. <https://ageconsearch.umn.edu/record/343826?ln=en&v=pdf>
- Bhandari, T.**, Gauchan, D., Gurung, T. B., Thapa, Y. B., Panta, H. K., & Pathak, S. (2024). *Technical efficiency, competitiveness, and comparative advantage of Nepal's fishery industry* [Conference Article]. Agricultural and Applied Economics Association (AAEA) Conferences 2024, New Orleans, LA, USA. <https://ageconsearch.umn.edu/record/343826?ln=en&v=pdf>
- Bhandari, T.**, Gauchan, D., Gurung, T. B., Thapa, Y. B., & Panta, H. K. (2022). *Performance of fishery sub-sector in Nepal: From the production, productivity and market extension perspective* [Conference Article]. Strengthening Linkage among Agricultural Research, Extension and Education for Effective Service Delivery in Federal Nepal, Kathmandu pp.131-149. <http://naea.org.np/other/cms/1700>
- Bhandari, T.** (2019). *Use of sub-sector analysis approach in vegetable value chain selection: A new method of agricultural planning and development in Nepal* 5th International Conference on Marketing and Value Chain Development in Agriculture and Food System, Kathmandu Nepal. <https://naes.org.np/sites/default/files/publication-file/Proceeding%20of%20Agricultural%20Marketing%20Conference.pdf>

4.6 Worked as Editorial Member

- Co-edited with Ranju Ghimire, Nelson Pokharel, and Tek Bahadur Gurung. ***The Beauty & the Bounty at Risk: Small Scale Fisheries in Nepal 2024***, TBTI Global <https://tbtiglobal.net/tbti-nepal-hub/>
- Co-edited with R. K. Shrestha, M. Jaishi, R. Subedi, K. Kafle, S. Mahato, N. B. Singh, G. Rawal, & S. Aryal, **Lamjung Campus Sambad 2078**, Research Development and Training and Extension Centre, Lamjung Campus, Tribhuvan University.
- Co-edited with Khem Raj Dahal, Hari K., Panta and Bishnu Bilas Adhikari. ***Paddy research, production technologies and marketing under climate change context***, Research and Publication Directorate (DORP), 2019.
- Self-editor for ***Climate-Smart Agriculture Extension***, Jana Bikas Kendra Gulmi and Ministry of Agriculture and Livestock Development, 2019.
- Co-edited with Gauchan, D. et al, **Proceeding of Agricultural Marketing Conference. 5th International Conference on Marketing and Value Chain Development in Agriculture and Food System**, NAES www.naes.org.np 2 (1), 2019, ISSN:2676-1262.

4.7 Worked as Peer-Reviewer

- Reviewer of Journal of Food and Agriculture Research, Elsevier, Science Direct
- Reviewer of Helion Elsevier, Science Direct
- Reviewer of Cogent Food and Agriculture Journal
- SAARC Journal of Agriculture
- Reviewer of Journal of Bangladesh Agriculture University, Bangladesh
- Reviewer of Journal of Forest and Livelihood. Forest Action Nepal
- Reviewer of the Journal of Institute of Agriculture and Animal Science

5. PARTICIPATION IN CONFERENCES/WORKSHOPS /TRAINING

- Participated as **oral paper presenter** titled **“Assessing Well-being and Sustainability of Small-Scale Fishing Communities in Nepal”**, International conference on Development and Environmental Economics South Asian Network for Environmental Economics @ SANDEE 25, Kathmandu Nepal, 12-14 December 2025.
- Participated as **selected poster presenter** titled **“Household demand for fish and protein substitutes in Nepal: A QUAIDS-Based analysis”**, Agriculture and Applied Economics Association (AAEA) and Western Agricultural Economics Association (WAEA) Joint Annual Meeting Denver USA, July 27-29 2025.

- Participated as paper presenter titled **“Assessing marketing linkages: Are Nepalese aquaculture farmers being rewarded?”** International Conference on Aquaculture and Fisheries, held in July 27-29 2024.
- Participated as **selected paper presenter** titled **“Technical efficiency, competitiveness and comparative advantage of Nepal’s growing fishery industry id#28698,** Annual Meeting organised by Agriculture and Applied Economics Association (AAEA) USA, July 27-29.
- Participated as oral presenter (virtual) on **“Fish marketing efficiencies and products’ marketing in selected hubs in Nepal”** organised by 9th World Fisheries, Congress Seattle, 3-7 March 2024.
- Participated as **thematic paper** presenter titled **“Innovation enhancement for the fishery sub-sector development for youth attraction and economic transformation in Nepal”**, Organized by Nepal Animal Science Association (NASA), 8-9 February 2024.
- Participated as poster presenter on **“Unlocking the potential: assessing Nepal’s fishery value chain for sustainable growth and economic impact”** 3rd NRN Global Knowledge Convention, Non-Resident Nepalese in Hotel Soltee, Kathmandu. October 17-18 2023.
- Participated as paper presenter titled **“Performance of fishery sub-sector in Nepal: From the production, productivity and market extension perspective.** Organized by Nepal Agricultural Extension Association (NAEA) and Department of Agriculture. Kathmandu 17-18 June 2022.
- Participated in **Professional growth development workshop**, organized by Tribhuvan University Grassroot Community Nepal and Stony Brook University USA, November 2021 to January 2022.
- Participated as oral paper presenter entitled **“Payments for Begnass Lake watershed services in Kaski district Nepal”** in 2nd Nepalese Agricultural Professionals in America (NAPA) Biennial International Scientific Conference, Gorgia USA, held in 24-28 September, 2020.
- Participated as oral paper presenter entitled **“Use of sub-sector analysis approach in vegetable value chain selection: A new method of agricultural planning and development in Nepal”** at 5th International Conference on Marketing and value chain development in agriculture and food system, Kathmandu. 4-5 June 2018.
- Participated as **thematic paper presenter** entitled **“Governance Issues of Managing Irrigation Schemes in Nepal.”** Symposium organized by RD-TEC Lamjung Campus on 27 March 2016.
- Participated as research proposal presenter entitled **“Climate change impact on groundwater recharge rate, extraction cost and informal water marketing in Nepal”** in the Biannual Research and Training Workshop, South Asian Network for Development and Environmental Economics (SANDEE) Colombo Sri Lanka between 29 June to 4th July 2015.

- Participated in 6th National Conference on Science and Technology, Nepal Academy of Science and Technology, Katmandu, held on 25-27 September 2012.
- Participate in Fifth South Asian workshop on CGE modelling, South Asian Watch on Trade, Economics and Environment (SAWTEE) and South Asian Network for Economic Modelling (SANEM), Bangladesh; held between 27-31 August 2012.
- Participated as **poster presenter** entitled “**Value chain mapping for cereal seed, coffee and dairy sub-sector in Nepal**”, International Workshop on Agribusiness Promotion” organised by PACT, FNCCI and World Bank InfoDev, 8-10 April 2012.
- Participated as paper presenter entitled “**Cost of climate change adoption**” at International Summer School of Food Security and Climate Change”, University of Pavia Itali, International Summer School of Advance Studies Kathmandu and HICAST, held on 12-17 June 2011.
- Participated as trainee entitled “**Training cum workshop on Natural Resource Economics**” organised by South Asian Network for Development and Environmental Economics (SANDEE) at Asian Institute of Technology Thailand, 2-20 May 2011.
- Participated as GIZ official in “**Food Aid Policy Development Workshop**, World Food Program, Kathmandu, 3-5 November 2003.

6. AWARDS, HONORS

- 6.1 **Travel Grant Award**, Agriculture and Applied Economics Association (AAEA) Trust, USA June 2025 for presenting selected paper on “Household Demand for Fish and Protein Substitutes in Nepal: A QUAIDS-Based Analysis”- <https://www.aaea.org/trust/>
- 6.2 **Travel Grant Award**, Agriculture and Applied Economics Association (AAEA) Trust, USA June 2024 for presenting selected paper on “Technical efficiency, competitiveness, and comparative advantage of Nepal’s fishery industry”- <https://www.aaea.org/trust/>
- 6.3 **Collaborative Research Competitive Grant**, Institute for Integrated Development Studies (IIDS), IFPRI South Asia, and Michigan State University, 2024- for developing policy brief on “Profitability and Transformation of Small-Scale Aquaculture (SSA) in Nepal”- <https://www.iids.org.np/>
- 6.4 **PhD Fellowship Grant** by University Grants Commission (UGC) Nepal, 2022-2025, <https://ugcnepal.edu.np/>
- 6.5 **Best Trainee Performance Award**, “Professional Growth Development Workshop” organized by Tribhuvan University Grassroot Community Nepal in technical support from Stony Brook University, USA 2022.
- 6.6 **Research Proposal Dev. Grant**, South Asian Networks for Development and Environmental Economics (SANDEE), ICIMOD, 2014-2015-for “Studying Impact of Climate Change on Groundwater Resources in Nepal.” <https://www.icimod.org/initiative/sandee/sandee25>
- 6.7 **Faculty Research Grant**, University Grant Commission (UGC) Nepal, 2014-2015-for “Factors Affecting Food Price Instabilities in Nepal”

- 6.8 Mini-research Grant**, Research Division, Tribhuvan University Nepal, 2013-2014 for “Analysing dairy sub-sector value chain analysis in Lamjung district, Nepal.”
- 6.9 Erasmus Mundus Scholarship Award**, European Commission, 2008-10 for studying International M.Sc. in Rural Development. www.imrd.be
- 6.10 Merit-Based Scholarship** of Tribhuvan University during the study of Bachelor in Agriculture (1996-1999).
- 6.11 Class First Award** (Class 7-10), Himalayan Higher Secondary School, Gulmi, 1986-89 and Class Second Award (Class 4-5), Shree Dhura Primary School, Gulmi, 1983-84.

7. ASSOCIATION

- Life member, Nepal Agricultural Economics Society (NAES) Nepal: www.naes.org.np
Member, Agricultural and Applied Economic Association (AAEA) www.aaea.org
- Associate Life Member, Association of Nepalese Agricultural Professionals of Americas (NAPA) since 2018 www.napaamericas.org
- Alumni General Member, Erasmus Nepal since 2011.

8. REFEREES

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